



)eyeLCD-7000/8000-LE

EYEVIS LCD LINE

User Manual

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eyevis user document

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Table of Content

Safety / Sicherheit / Sécurité	7	Setup OSD Menu (continued)	39
Safety precaution	7	Options Menu	40
Sicherheitsvorkehrungen	13	Options Menu (continued)	41
Précautions de sécurité	19	Troubleshooting guide	42
Features	24	Malfunction or trouble	42
High-resolution wide-screen panel	24	Effects in continuous operation of LCDs	43
PVA technology TFT LCD panel	24	Image sticking	43
Input connection possibilities	24	Mura	43
Packaging	24	Shade formation	43
Way of Packaging	24	Prevention of undesirable effects	44
Box Content	24	Evaluation of visual range	45
Box content	24	Pollutions	45
Contents of the Accessory Box	25	Tolerance limits for bonded glass surfaces	45
Connectors	26	Tolerance limits for optional touch surfaces	45
Rotating the Display	26	Failure of pixel	45
Operating the Display	27	Overview acceptable total number of dot defects	46
OSD Remote Control	27	Warranty terms and conditions	47
OSD Keypad (backside of the display)	27	Duration and validity of warranty	47
Changing the Remote Control Batteries	28	Proof of purchase	47
Control the Monitor via RS232	29	Warranty service or exchange during warranty period	47
Turning the Power ON/OFF	29	Dead On Arrival (DOA)	47
Using the On Screen Display (OSD) menu	30	Return-to-Base-Warranty (Bring-In Warranty)	47
Navigating through the Menu System	30	Repair and return	47
Image Settings Menu	30	Temporary exchange equipment during repair time	47
Display Settings Menu	31	Warranty on repairs	47
Color Temp Menu	32	Warranty exclusions	48
Color Temp User Menu	33	General exclusions	48
PIP Setting Menu	34	"Image Sticking" (memory) effect and "Mura"	48
Using PIP (Picture-in-Picture) Mode	35	Failure of pixel	48
PIP Screen Table	36	Accessories	48
Multi Vision Settings Menu	37	Factory-applied serial number	48
Setup Menu	38	Service contact	48
		Advised procedure for raising a claim	49
		Consider the manual before raising a claim	49
		Prepare necessary information	49

Approval by eyevis.....	49
Service code: RMA number	49
Packing.....	49
Transport	49
Costs not covered by warranty defects	49
Legal and other claims	49
Limitations of liability	50
Appendix	51
Appendix: Technical Specifications EYE-LCD-7000-LE-500/700	51
Appendix: Technical Specifications EYE-LCD-8000-LE-500/700	52
Appendix: Dimension EYE-LCD-7000-LE	53
Appendix: Dimension EYE-LCD-8000-LE	54
Appendix: RS232 Protocol.....	55
[Communication Parameters]	55
[SEND COMMAND Reference List].....	56
[QUERY COMMAND Reference List].....	57
Index	60

Revision History

Version	Date	Page / Section	Description
1.0	2013-10	All	Specification first issued.
1.1	2014-09	All	Manual updated

About this Manual

Read and pay attention to this manual. It contains important information on the product. In particular, note all of the safety instructions and warnings.
Keep this manual in a safe place!

Warnings used

NOTICE

Indicates a hazard that could lead to **damage or destruction of the product.**



The general warning symbol indicates a hazard that could lead to **injuries or death**. In the text section, the general warning symbol is used in conjunction with the warning levels described below.

 CAUTION

Indicates a hazard that could lead to **minor or moderate injuries.**

 WARNING

Indicates a hazard that could lead to **death or serious injury.**

 DANGER

Indicates a hazard that leads to **immediate death or serious injury.**

Symbols used

▶	Indicates a single action or multiple actions which do not have to be performed in any specific order.
1. 2. 3.	Indicates a set of actions that have to be performed in a specific order.

Safety / Sicherheit / Sécurité

Safety

Safety precaution

Electricity is used to perform many useful functions, but it can also cause personal injuries and property damage if improperly handled. This product has been engineered and manufactured with the highest priority on safety. However, improper use can result in electric shock and/or fire. In order to prevent potential danger, please observe the following instructions when installing, operating and cleaning the product. To ensure your safety and prolong the service life of your LCD product, please read the following precautions carefully before using the product.

-) Read instructions — All operating instructions must be read and understood before the product is operated.
-) Keep this manual in a safe place — These safety and operating instructions must be kept in a safe place for future reference.
-) Observe warnings — All warnings on the product and in the instructions must be observed closely.
-) Follow instructions — All operating instructions must be followed.
-) Cleaning — Unplug the power cord from the AC outlet before cleaning the product. Use a dry cloth to clean the product. Do not use liquid cleaners or aerosol cleaners.
-) Attachments — Do not use attachments not recommended by the manufacturer. Use of inadequate attachments can result in accidents.
-) Water and moisture — Do not use the product near water. Do not install the product in a place where water may splash onto it. Be careful of equipment which drains water such as an air-conditioner.
-) Ventilation — The vents and other openings in the cabinet are designed for ventilation. Do not cover or block these vents and openings since insufficient ventilation can cause overheating and/or shorten the life of the product. Do not place the product on a sofa, rug or other similar surface, since they can block ventilation openings. Do not place the product in an enclosed place such as a bookcase or rack, unless proper ventilation is provided or the manufacturer's instructions are followed.
-) Power cord protection — The power cords must be routed properly to prevent people from stepping on them or objects from resting on them.
-) The LCD panel used in this product is made of glass. Therefore, it can break when the product is dropped or applied with impact. Be careful not to be injured by broken glass pieces in case the LCD panel breaks.
-) Overloading — Do not overload AC outlets or extension cords. Overloading can cause fire or electric shock.
-) Entering of objects and liquids — Never insert an object into the product through vents or openings. High voltage flows in the product, and inserting an object can cause electric shock and/or short internal parts. For the same reason, do not spill water or liquid on the product.
-) Servicing — Do not attempt to service the product yourself. Removing covers can expose you to high voltage and other dangerous conditions. Request a qualified service person to perform servicing.

-) **Repair** — If any of the following conditions occurs, unplug the power cord from the AC outlet, and request a qualified service person to perform repairs.
 - When the power cord or plug is damaged.
 - When a liquid was spilled on the product or when objects have fallen into the product.
 - When the product has been exposed to rain or water.
 - When the product does not operate properly as described in the operating instructions.
 - Do not touch the controls other than those described in the operating instructions. Improper adjustment of controls not described in the instructions can cause damage, which often requires extensive adjustment work by a qualified technician.
 - When the product has been dropped or damaged.
 - When the product displays an abnormal condition. Any noticeable abnormality in the product indicates that the product needs servicing.
-) **Replacement parts** — In case the product needs replacement parts, make sure that the service person uses replacement parts specified by the manufacturer, or those with the same characteristics and performance as the original parts. Use of unauthorised parts can result in fire, electric shock and/or other danger.
-) **Safety checks** — Upon completion of service or repair work, request the service technician to perform safety checks to ensure that the product is in proper operating condition.
-) **Wall mounting** — When mounting the product on a wall, be sure to install the product according to the method recommended by the manufacturer.
-) **Heat sources** — Keep the product away from heat sources such as radiators, heaters, stoves and other heat-generating products (including amplifiers).
-) **Batteries** — Incorrect use of batteries may cause the batteries to burst or ignite. A leaky battery may corrode the equipment, dirty your hands or spoil your clothing. In order to avoid these problems, make sure to observe the precautions below:
 - Use the specified batteries only.
 - Install the batteries with due attention to the plus (+) and minus (-) sides of the batteries according to the instructions in the compartment.
 - Do not mix old and new batteries.
 - Do not mix batteries of different types. Voltage specifications of batteries of the same shape may vary.
 - Replace an exhausted battery with a new one promptly.
 - If you will not use the remote control for a long time, remove the batteries.
 - If leaked battery fluid gets on your skin or clothing, rinse immediately and thoroughly. If it gets into your eye, bathe your eye well rather than rubbing and seek medical treatment immediately. Leaked battery fluid that gets into your eye or your clothing may cause a skin irritation or damage your eye.
-) **Usage of the monitor** must not be accompanied by fatal risks or dangers that, could lead directly to death, personal injury, severe physical damage or other loss, including nuclear reaction control in nuclear facility, medical life support system, and missile launch control in a weapon system.
-) **Do not stay in contact with the parts of the product that become hot for long periods of time.** Doing so may result in low-temperature burns.

Safety Instructions

-) The TFT colour LCD panel used in this monitor is made with the application of high precision technology. However, there may be minute points on the screen where pixels never light or are permanently lit. Also, if the screen is viewed from an acute angle there may be uneven colours or brightness.
-) Please note that these are not malfunctions but common phenomena of LCDs and will not affect the performance of the monitor.
-) Do not display a still picture for a long period, as this could cause a residual image.
-) Never rub or tap the monitor with hard objects.
-) Please understand that eyevis bears no responsibility for errors made during use by the customer or a third party, nor for any other malfunctions or damage to this product arising during use, except where indemnity liability is recognized under law.
-) This monitor and its accessories may be upgraded without advance notice.
-) Do not use the monitor where there is a lot of dust, where humidity is high, or where the monitor may come into contact with oil or steam, as this could lead to fire.
-) Ensure that the monitor does not come into contact with water or other liquids. Ensure that no objects such as paper clips or pins enter the monitor as this could lead to fire or electric shock.
-) Do not place the monitor on top of unstable objects or in unsafe places. Do not allow the monitor to receive strong shocks or to strongly vibrate. Causing the monitor to fall or topple over may damage it.
-) Do not use the monitor near heating equipment or in places where there is likelihood of high temperature, as this may lead to generation of excessive heat and outbreak of fire.
-) Do not use the monitor in places where it may be exposed to direct sunlight.
-) Please be sure to constantly remove dust and garbage that has attached to the ventilation opening. If dust collects in the ventilation opening, it may lead to excessive heat, outbreak of fire, or malfunction. As a standard, clean the inside of the monitor once every year. If dust collects inside the monitor, it may lead to excessive heat, outbreak of fire, or malfunction. Please request a cleaning of the inside of the monitor from an authorized Eyevis servicing dealer or service centre.
-) Images cannot be rotated on this monitor.
-) When using in vertical orientation, you will need to prepare appropriately orientated content in advance.
-) Please make sure that the socket-outlet is installed near the System and is easily accessible. The Power supply cord serves as a disconnect device.

The Power Cord

-) Do not damage the power cord nor place heavy objects on it, stretch it or over bend it.
-) Do not use damaged extension cords. Damage to the cord may result in fire or electric shock.
-) Use only the power cord supplied with the monitor.
-) Do not use the power cord with a power tap. Adding an extension cord may lead to fire as a result of overheating.
-) Do not remove or insert the power plug with wet hands. Doing so could result in electric shock.
-) Unplug the power cord if it is not used for a long time.
-) Do not attempt to repair the power cord if it is broken or malfunctioning. Refer the servicing to the service representative.

NOTICE

This is a class A product according EN 55022: 2010. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate counter measures.

NOTICE

To maintain compliance with EMC regulations, use shielded cables to connect to the following terminals:
PC/AV DVI-D output terminal, PC/AV DVI-D input terminal, PC/AV HDMI input terminal, PC D-SUB input terminal, PC RGB input terminals, and RS-232C input/output terminals.

WARNING

If a monitor is not positioned in a sufficiently stable location, it can be potentially hazardous due to falling. Many injuries, particularly to children, can be avoided by taking simple precautions such as:

- Using fixing devices like wall mount brackets recommended by the manufacturer.
- Only using furniture that can safely support the monitor.
- Ensuring the monitor is not overhanging the edge of the supporting furniture.
- Not placing the monitor on tall furniture (for example, cupboards or bookcases) without anchoring both the furniture and the monitor to a suitable support.
- Not standing the monitors on cloth or other materials placed between the monitor and supporting furniture.
- Educating children about the dangers of climbing on furniture to reach the monitor or its controls.

WARNING

Especially for child safety

- Don't allow children to climb on or play with the monitor.
- Don't place the monitor on furniture that can easily be used as steps, such as a chest of drawers.
- Remember that children can become excited while watching a program, especially on a "larger than life" monitor. Care should be taken to place or install the monitor where it cannot be pushed, pulled over, or knocked down.
- Care should be taken to route all cords and cables connected to the monitor so that they cannot be pulled or grabbed by curious children.

Zu diesem Handbuch

Lesen und beachten Sie dieses Handbuch. Darin stehen wichtige Informationen zum Produkt. Beachten Sie insbesondere alle Sicherheits- und Warnhinweise.

Bewahren Sie diese Anleitung sorgfältig auf!

Verwendete Warnhinweise

ACHTUNG

Kennzeichnet eine Gefahr, die zur **Beschädigung oder Zerstörung des Produkts** führen kann.



Das allgemeine Warnsymbol kennzeichnet eine Gefahr, die zu **Verletzungen oder zum Tod** führen kann. Im Textteil wird das allgemeine Warnsymbol in Verbindung mit den nachfolgend beschriebenen Warnstufen verwendet.



VORSICHT

Kennzeichnet eine Gefahr, die zu **leichten oder mittleren Verletzungen** führen kann.



WARNUNG

Kennzeichnet eine Gefahr, die zum **Tod** oder zu **schweren Verletzungen** führen kann.



GEFAHR

Kennzeichnet eine Gefahr, die **unmittelbar zum Tod** oder zu **schweren Verletzungen** führt.

Verwendete Symbole

►	Kennzeichnet einen einzelnen Handlungsschritt oder mehrere Handlungsschritte, jedoch ohne feste Abfolge.
1. 2. 3.	Kennzeichnet eine Folge von Handlungsschritten, deren vorgegebene Reihenfolge eingehalten werden muss.

Sicherheit

Sicherheitsvorkehrungen

Elektrizität erfüllt viele nützliche Aufgaben, kann aber auch Personen- und Sachschäden verursachen, wenn sie unsachgemäß gehandhabt wird. Dieses Produkt wurde mit Sicherheit als oberster Priorität konstruiert und hergestellt. Dennoch besteht bei unsachgemäßer Handhabung u.U. Stromschlag- und Brandgefahr. Um mögliche Gefahren zu vermeiden, befolgen Sie beim Aufstellen, Betreiben und Reinigen des Produkts bitte die nachstehenden Anleitungen. Lesen Sie im Interesse Ihrer eigenen Sicherheit sowie einer langen Lebensdauer des LCD-Gerätes zunächst die nachstehenden Hinweise durch, bevor Sie das Produkt in Verwendung nehmen.

-) Bedienungsanleitungen lesen — Nehmen Sie das Produkt erst in Betrieb, nachdem Sie alle diesbezüglichen Hinweise gelesen und verstanden haben.
-) Bedienungsanleitung aufbewahren — Diese Bedienungsanleitung mit den Sicherheits- und Bedienungshinweisen sollte aufbewahrt werden, damit Sie im Bedarfsfall jederzeit darauf zurückgreifen können.
-) Warnungen beachten — Alle Warnungen auf dem Gerät und in den Bedienungsanleitungen sind genauestens zu beachten.
-) Anleitungen befolgen — Alle Anleitungen zur Bedienung müssen befolgt werden.
-) Reinigung — Ziehen Sie vor dem Reinigen des Produkts das Netzkabel. Reinigen Sie das Gerät mit einem trockenen Tuch. Verwenden Sie keine flüssigen Reiniger oder Aerosol-Sprays.
-) Zusatzgeräte und Zubehör — Verwenden Sie ausschließlich vom Hersteller empfohlenes Zubehör. Bei Verwendung anderer Zusatzgeräte bzw. Zubehörteile besteht evtl. Unfallgefahr.
-) Wasser und Feuchtigkeit — Benutzen Sie das Gerät nicht in der Nähe von Wasser. Montieren Sie das Gerät unter keinen Umständen an einer Stelle, an der Wasser darauf tropfen kann. Achten Sie dabei besonders auf Geräte, aus denen zuweilen Wasser tropft, wie etwa Klimaanlage.
-) Belüftung — Die Belüftungsschlitze und andere Öffnungen im Gehäuse dienen der Belüftung des Geräts.
-) Halten Sie diese Öffnungen unbedingt frei, da eine unzureichende Belüftung zu einer Überhitzung bzw. Verkürzung der Lebensdauer des Produkts führen kann. Stellen Sie das Gerät nicht auf ein Sofa, einen Lappen oder ähnliche Oberflächen, da die Belüftungsschlitze dadurch blockiert werden können. Stellen Sie das Gerät auch nicht in ein umschlossenes Gehäuse, wie z.B. in ein Bücherregal oder einen Schrank, sofern dort nicht für eine ausreichende Belüftung gesorgt ist oder die Anweisungen des Herstellers befolgt werden.
-) Netzkabel-Schutz — Die Netzkabel sind so zu verlegen, dass sie vor Tritten geschützt sind und keine schweren Objekte darauf abgestellt werden.
-) Das LCD-Panel ist ein Glasprodukt. Es kann daher brechen, wenn es zu Boden fällt oder einen Schlag oder Stoß erhält. Achtung: bei einem Bruch des LCD-Panels besteht durch die Glasstücke Verletzungsgefahr.
-) Überlastung — Vermeiden Sie eine Überlastung von Netzsteckdosen und Verlängerungskabeln. Bei Überlastung besteht Brand- und Stromschlaggefahr.
-) Eindringen von Gegenständen und Flüssigkeiten — Schieben Sie niemals irgendwelche Gegenstände durch die Gehäuseöffnungen in das Innere des Geräts. Im Produkt liegen hohe Spannungen vor. Durch das Einschieben von

Gegenständen besteht Stromschlaggefahr bzw. die Gefahr von Kurzschlüssen zwischen den Bauteilen. Aus demselben Grunde dürfen auch keine Flüssigkeiten auf das Gerät verschüttet werden.

-) **Wartung** — Versuchen Sie auf keinen Fall, selbst Wartungsarbeiten am Gerät durchzuführen. Durch das Entfernen von Abdeckungen setzen Sie sich hohen Spannungen und anderen Gefahren aus. Lassen Sie sämtliche Wartungsarbeiten ausschließlich von qualifiziertem Service-Personal ausführen.
-) **Reparaturen** — Ziehen Sie in den folgenden Situationen sofort das Netzkabel und lassen Sie das Produkt von qualifiziertem Service-Personal reparieren:
 - Wenn das Netzkabel oder der Netzstecker beschädigt ist.
 - Wenn Flüssigkeit in das Gerät eingedrungen ist oder Gegenstände in das Gerät gefallen sind.
 - Wenn das Gerät nass geworden ist (z.B. durch Regen).
 - Wenn das Gerät nicht wie in der Bedienungsanleitung beschrieben funktioniert.
 - Nehmen Sie nur die in den Bedienungsanleitungen beschriebenen Einstellungen vor. Unsachgemäße Einstellungen an anderen Reglern können zu einer Beschädigung führen und machen häufig umfangreiche Einstellarbeiten durch einen qualifizierten Service-Techniker erforderlich.
 - Wenn das Produkt fallen gelassen oder beschädigt wurde.
 - Wenn das Gerät einen anormalen Zustand aufweist. Jedes erkennbare anormale Verhalten zeigt an, dass der Kundendienst erforderlich ist.
-) **Ersatzteile** — Wenn Ersatzteile benötigt werden, stellen Sie bitte sicher, dass der Service-Techniker nur die vom Hersteller bezeichneten Teile oder Teile mit gleichen Eigenschaften und gleichem Leistungsvermögen wie die Originalteile verwendet. Die Verwendung anderer Teile kann zu einem Brand, zu Stromschlag oder anderen Gefahren führen.
-) **Sicherheitsüberprüfungen** — Lassen Sie vom Service-Techniker nach Service- oder Reparaturarbeiten eine Sicherheitsüberprüfung vornehmen, um sicherzustellen, dass das Produkt in einem einwandfreien Betriebszustand ist.
-) **Wandmontage** — Bei der Montage des Gerätes an der Wand ist sicherzustellen, dass die Befestigung nach der vom Hersteller empfohlenen Methode erfolgt.
-) **Wärmequellen** — Stellen Sie das Produkt nicht in der Nähe von Heizkörpern, Heizgeräten, Öfen oder anderen Geräten (wie z.B. Verstärkern) auf, die Hitze abstrahlen.
-) **Batterien** — Durch falsche Anwendung können die Batterien explodieren oder sich entzünden. Eine undichte Batterie kann Korrosion am Gerät verursachen sowie Hände und Kleidung verschmutzen. Um diese Probleme zu vermeiden, beachten Sie bitte die folgenden Sicherheitshinweise:
 - Verwenden Sie nur empfohlene Batterietypen.
 - Achten Sie beim Einlegen der Batterien darauf, dass die Plus- (+) und die Minus- (-) Seite der Batterien gemäß den Anweisungen im Fachinneren richtig ausgerichtet sind.
 - Verwenden Sie nicht alte und neue Batterien gemeinsam.
 - Verwenden Sie keine Batterien unterschiedlichen Typs. Batterien derselben Form können unterschiedliche Spannungswerte besitzen.
 - Ersetzen Sie eine leere Batterie sofort durch eine neue.
 - Wenn Sie die Fernbedienung längere Zeit nicht verwenden, entnehmen Sie die Batterien.

- Wenn ausgetretene Batterieflüssigkeit auf Haut oder Kleidung gelangt, müssen Sie diese sofort gründlich mit Wasser spülen. Wenn Batterieflüssigkeit in die Augen gelangt, dürfen Sie die Augen auf keinen Fall reiben, sondern am besten mit viel Wasser spülen und sofort einen Arzt aufsuchen. Batterieflüssigkeit kann Hautreizungen hervorrufen oder Augenschäden verursachen
-) Bei der Verwendung des Monitors ist darauf zu achten, dass Gefahren für Leib und Leben, Schäden an Gebäuden und anderen Gegenständen sowie eine Beeinflussung von wichtigen oder gefährlichen Geräten, wie z.B. der Nuklearreaktionssteuerung in Atomanlagen, lebenserhaltenden Geräten in medizinischen Einrichtungen oder Raketenabschusssteuerungen in Waffensystemen vermieden werden.
-) Vermeiden Sie es, Teile des Produkts, die sich erwärmen, über längere Zeit hinweg zu berühren. Dies könnte zu leichten Verbrennungen führen.

Sicherheitshinweise

-) Bei der Herstellung des TFT Farb-LCD-Panels dieses Monitors wurde Präzisionstechnologie eingesetzt. Trotzdem können einzelne Punkte am Bildschirm überhaupt nicht leuchten oder ständig leuchten. Bei Betrachtung des Bildschirms aus einem spitzen Winkel können die Farben oder die Helligkeit unregelmäßig erscheinen. Bitte beachten Sie, dass es sich dabei um keine Qualitätsmängel handelt, sondern um allgemein bei LCD-Geräten auftretende Phänomene, welche die Leistung des Monitors in keiner Weise beeinträchtigen.
-) Lassen Sie niemals ein Standbild über längere Zeit hinweg anzeigen, da dies ein Nachleuchten am Bildschirm zur Folge haben könnte.
-) Vermeiden Sie es, den Monitor mit harten Gegenständen abzureiben oder zu berühren.
-) Wir bitten um Ihr Verständnis, dass eyevis über die gesetzlich anerkannte Leistungshaftung hinaus keine Haftung für Fehler übernimmt, die sich aus der Verwendung durch den Kunden oder einen Dritten ergeben, und auch nicht für sonstige Funktionsstörungen oder Schäden, die während der Verwendung am Gerät entstehen.
-) Eine Aktualisierung dieses Monitors und seines Zubehörs ist vorbehalten.
-) Verwenden Sie den Monitor nicht an Orten mit hoher Staubentwicklung, hoher Luftfeuchtigkeit oder an Orten, an denen der Monitor mit Öl oder Dampf in Kontakt kommen könnte, da dies zu einem Brand führen könnte.
-) Achten Sie darauf, dass der Monitor nicht mit Wasser oder anderen Flüssigkeiten in Berührung kommt. Achten Sie auch darauf, keine Gegenstände, wie z.B. Büroklammern oder sonstige spitze Gegenstände, in den Monitor zu stecken. Die Folge könnte ein Brand oder Stromschlag sein.
-) Stellen Sie den Monitor nicht auf instabile Gegenstände oder an andere unsichere Stellen. Setzen Sie den Monitor keinen starken Stößen oder Erschütterungen aus. Wenn der Monitor hinunterfällt oder umkippt, könnte er Schaden nehmen.
-) Stellen Sie den Monitor nicht in der Nähe von Heizungen oder an anderen Stellen auf, an denen hohe Temperaturen auftreten, da dies zu einer übermäßig starken Erhitzung mit der Folge eines Brandes führen könnte.
-) Stellen Sie den Monitor nicht an Orten auf, an denen er direktem Sonnenlicht ausgesetzt ist.

-) Bitte entfernen Sie regelmäßig Staub und Schmutz von der Belüftungsöffnung. Wenn sich Staub an der Belüftungsöffnung ansammeln, kann es zu einer Überhitzung des Geräts und in der Folge zu einem Brand oder zu Fehlfunktionen kommen.
-) Reinigen Sie das Innere des Monitors mindestens einmal jährlich. Wenn sich Staub im Inneren des Monitors ansammelt, kann es zu einer Überhitzung des Geräts und in der Folge zu einem Brand oder Fehlfunktionen kommen. Bitte lassen Sie das Innere des Monitors von einem autorisierten eyevis-Händler oder einem eyevis Servicecenter reinigen.
-) Bilder können auf diesem Monitor nicht gedreht werden. Wenn Sie den Monitor in vertikaler Ausrichtung verwenden, müssen Sie die Bilder zuvor entsprechend drehen.
-) Bitte achten Sie darauf, dass die Steckdose in der Nähe des Systems ist und leicht zugänglich ist. Das Netzkabel dient als eine Trennvorrichtung.

Das Netzkabel

-) Beschädigen Sie das Netzkabel nicht, stellen Sie keine schweren Gegenstände darauf, und überdehnen oder knicken Sie es nicht.
-) Verwenden Sie keine beschädigten Verlängerungskabel. Ein beschädigtes Kabel kann einen Brand oder Stromschlag verursachen.
-) Verwenden Sie nur das mit dem Monitor gelieferte Netzkabel.
-) Verwenden Sie das Netzkabel nicht mit einer Mehrfachsteckdose. Die Verwendung eines Verlängerungskabels kann aufgrund von Überhitzung zu einem Brand führen.
-) Achten Sie darauf, dass Sie beim Einstecken oder Ausstecken des Netzsteckers keine nassen Hände haben, um einen Elektroschlag zu vermeiden.
-) Ziehen Sie das Netzkabel aus der Steckdose, wenn Sie das Gerät längere Zeit über nicht verwenden.
-) Führen Sie keine Reparaturversuche an einem beschädigten oder nicht funktionstüchtigen Netzkabel durch. Überlassen Sie Reparaturarbeiten ausschließlich dem Kundendienst.

ACHTUNG

Dieses Gerät ist ein Produkt der Klasse A gemäß EN 55022: 2010. In Wohnräumen kann dieses Gerät Störsignale erzeugen, die durch entsprechende Abhilfemaßnahmen durch den Benutzer beseitigt werden müssen.

ACHTUNG

Verwenden Sie EMV-gerechte, abgeschirmte Kabel, um die folgenden Anschlüsse zu verbinden:
PC/AV DVI-D-Ausgangsanschluss, PC/AV DVI-D-Eingangsanschluss, PC/AV HDMI-Eingangsanschluss, PC D-sub-Eingangsanschluss, PCRGB-Eingangsanschlüsse und RS-232C-Eingangs-/Ausgangsanschlüsse.

⚠️ WARNUNG

Wenn ein Monitor nicht auf einer stabilen Unterlage aufgestellt wird, besteht die Gefahr, dass er kippt oder fällt. Zahlreiche Verletzungen, besonders bei Kindern, können durch einfache Vorsichtsmaßnahmen vermieden werden:

- Bei Verwendung der vom Hersteller empfohlenen Befestigungsvorrichtungen, wie z.B. Wandhaken.
- Stellen Sie den Monitor nur auf Möbelstücke, die ausreichend stark sind.
- Achten Sie darauf, dass der Monitor nicht über den Rand des Möbelstücks, auf dem er steht, vorsteht.
- Stellen Sie den Monitor niemals auf ein großes Möbelstück (z.B. einen Schrank oder in ein Bücherregal), ohne sowohl das
- Möbelstück als auch den Monitor an einem geeigneten Element sicher zu verankern.
- Stellen Sie den Monitor niemals auf ein Tuch oder andere Materialien, die zwischen dem Monitor und dem Möbelstück, auf dem er steht, liegen.
- Weisen Sie Kinder eindringlich darauf hin, dass es gefährlich ist, auf ein Möbelstück zu klettern, um an den Monitor oder seine Regler zu gelangen.

⚠️ WARNUNG

Wichtige Hinweise für die Sicherheit von Kindern

- Lassen Sie Kinder niemals auf den Monitor klettern oder am Monitor spielen.
- Stellen Sie den Monitor nicht auf Möbelstücke, die leicht als Stufen verwendet werden könnten, wie zum Beispiel eine Truhe oder Kommode.
- Bedenken Sie, dass Kinder bei Betrachtung eines Fernsehprogramms – und ganz besonders bei einem "überlebensgroßen"
- Monitor – in starke Aufregung verfallen können. Der Monitor sollte so aufgestellt werden, dass er nicht umgestoßen oder gekippt werden kann.
- Alle am Monitor angeschlossenen Kabel und Stränge sollten so verlegt werden, dass neugierige Kinder nicht daran ziehen oder sie ergreifen können.

À propos de ce Manuel

Lisez et suivez ces instructions. Ils contiennent des informations importantes sur le produit. Faites particulièrement attention à toutes les consignes de sécurité et aux avertissements.

Conservez ce manuel soigneusement!

Des symboles d'avertissement utilisés

ATTENTION

Indique un danger qui peut endommager ou détruire le produit.



Le symbole d'avertissement général indique un danger qui pourrait entraîner des blessures ou la mort. Dans le texte, le symbole d'avertissement général est utilisé en conjonction avec les niveaux d'alerte décrits ci-dessous.

⚠ PRÉCAUTION

Indique un danger qui pourrait provoquer des blessures mineures ou modérées.

⚠ AVERTISSEMENT

Indique un danger qui peut provoquer des blessures graves, voire mortelles.

⚠ DANGER

Indique un danger qui provoque la mort ou des blessures graves.

Symboles utilisés

►	Désigne une action unique ou plusieurs d'actions, qui peuvent être exécutées dans un ordre quelconque.
1. 2. 3.	Signifie une série d'actions qui doivent être exécutées dans l'ordre chronologique.

Sécurité

Précautions de sécurité

L'électricité remplit de nombreuses fonctions utiles, mais elle peut provoquer des blessures et des dégâts matériels si elle n'est pas utilisée correctement. Cet appareil a été conçu et fabriqué en attachant la plus grande importance à la sécurité. Cependant, une utilisation inadéquate peut entraîner une décharge électrique et/ou un incendie. Afin d'éviter tout danger potentiel, veuillez respecter les consignes suivantes lors de l'installation, de l'utilisation et du nettoyage de l'appareil. Afin d'assurer votre propre sécurité et de prolonger la durée de service de votre moniteur LCD, veuillez lire attentivement les précautions ci-dessous avant d'utiliser l'appareil.

-) Lisez ces explications — Vous devez lire et comprendre toutes les informations relatives au fonctionnement de l'appareil avant de l'utiliser.
-) Conservez cette brochure dans un endroit sûr — Ces explications concernant la sécurité et le fonctionnement doivent être conservées dans un endroit sûr pour vous y référer en cas de besoin.
-) Respectez les avertissements — Tous les avertissements figurant sur l'appareil et dans ce mode d'emploi doivent être strictement respectés.
-) Suivez les instructions — Toutes les explications sur le fonctionnement doivent être respectées.
-) Nettoyage — Débranchez le cordon d'alimentation au niveau de la prise du secteur avant de nettoyer l'appareil. Servez-vous d'un linge sec, et n'employez pas de détergents liquides ou en atomiseur.
-) Accessoires — N'utilisez pas d'accessoires non recommandés par le fabricant, car ceci pourrait provoquer des accidents.
-) Eau et humidité — N'utilisez pas cet appareil près de l'eau. N'installez pas le produit à un endroit où il pourrait recevoir de l'eau. Évitez en particulier les emplacements sous les appareils à vidange d'eau tels que les climatiseurs.
-) Ventilation — Des ouïes et autres ouvertures sont prévues dans le coffret de l'appareil pour sa ventilation. Ne recouvrez pas et ne bouchez pas ces ouvertures car une ventilation insuffisante peut provoquer une surchauffe et réduire la durée de vie de l'appareil. Ne placez pas l'appareil sur un sofa, un tapis ou toute autre surface analogue car ceci pourrait obstruer les ouvertures de ventilation. Cet appareil n'est pas conçu pour une installation encastrée; ne le placez donc pas dans un endroit fermé comme une bibliothèque ou une baie à moins qu'une ventilation adéquate ne soit prévue et que les consignes du fabricant ne soient respectées.
-) Protection du cordon d'alimentation — Faites passer les cordons d'alimentation à un endroit où ils ne seront pas écrasés ou coincés par d'autres objets.
-) Le panneau de l'écran à cristaux liquides (LCD) de cet appareil est fabriqué en verre et, par conséquent, il peut se briser si l'appareil tombe ou s'il reçoit un fort impact. Veillez à ne pas vous blesser par les éclats de verre si le panneau LCD devait être brisé.
-) Surcharge — Ne surchargez pas les prises de courant ou les rallonges car ceci peut entraîner un risque d'incendie ou d'électrocution.
-) Insertion de solides ou de liquides — N'introduisez jamais des objets par les orifices de cet appareil, car ils pourraient provoquer une électrocution et/ou un court-circuit en touchant des pièces internes sous haute tension. Pour la même raison, ne renversez jamais de l'eau ou un liquide sur l'appareil.

-) **Entretien** — N'essayez pas de réparer vous-même l'appareil. La dépose des couvercles peut vous exposer à une haute tension ou à d'autres dangers. Confiez toute réparation à un personnel qualifié.
-) **Réparation** — Dans les cas suivants, débranchez le cordon d'alimentation au niveau de la prise secteur et demandez à un personnel qualifié d'effectuer les réparations.
 - Dégât sur le cordon ou la prise de courant.
 - Infiltration d'un liquide ou pénétration d'un objet à l'intérieur de l'appareil.
 - Exposition de l'appareil à la pluie ou à l'eau.
 - Fonctionnement anormal malgré une conformité aux explications du mode d'emploi. Ne réglez que les commandes dont il est fait mention dans le mode d'emploi. Un réglage incorrect des autres commandes peut provoquer des dégâts qui nécessiteraient des réparations complexes par un technicien spécialisé.
 - Chute ou dégâts subis par l'appareil.
 - Tout changement notable ou situation anormale de l'appareil indique qu'une réparation est nécessaire.
-) **Pièces de rechange** — Lorsque des pièces doivent être remplacées, assurez-vous que le technicien a utilisé les pièces spécifiées par le fabricant ou des pièces dont les performances et les caractéristiques sont identiques. Des changements non autorisés de pièces peuvent entraîner un incendie, une électrocution et/ou d'autres dangers.
-) **Contrôles de sécurité** — Après une intervention d'entretien ou de réparation, demandez au technicien de procéder à un contrôle pour être sûr que l'appareil peut être utilisé en toute sécurité.
-) **Installation sur paroi** — Si l'appareil doit être fixé sur une paroi, installez-le en respectant la méthode recommandée par le fabricant.
-) **Sources de chaleur** — Tenez l'appareil à l'écart de sources de chaleur, telles que radiateurs, dispositifs de chauffage, poêles et autres appareils dégageant de la chaleur (y compris les amplificateurs).
-) **Piles** — Une utilisation incorrecte des piles peut les faire éclater ou prendre feu. Une pile qui fuit peut causer des corrosions dans l'équipement, des salissures aux mains ou abîmer vos vêtements. Afin d'éviter ces problèmes, assurez-vous que les précautions suivantes sont appliquées :
 - Utilisez seulement des piles prescrites.
 - Installez les piles en faisant bien attention aux polarités plus (+) et moins (-) des piles selon les instructions dans le compartiment.
 - Ne mélangez pas des piles usagées avec des neuves.
 - Ne mélangez pas des piles de différents types. Les spécifications de voltage des piles de même forme peuvent varier.
 - Remplacez rapidement une pile épuisée par une nouvelle.
 - Si vous n'avez pas l'intention d'utiliser la télécommande pendant une longue période, retirez les piles.
 - Si le liquide provenant d'une pile qui fuit touche votre peau ou vos habits, rincez immédiatement et complètement les parties touchées. Si un oeil est touché, faites immédiatement un bain d'oeil plutôt que de le frotter et cherchez immédiatement un traitement médical. Le liquide provenant de la fuite d'une pile qui atteint votre oeil ou vos habits peut causer une irritation de la peau ou des dommages à votre oeil.
-) **L'utilisation de ce moniteur ne doit pas entraîner des risques mortels ou des dangers qui pourraient provoquer directement la mort, des blessures sur le personnel, des dommages physiques sévères ou d'autres destructions, y**

compris dans le contrôle des réactions nucléaires dans les installations nucléaires, dans le système médical de réanimation, et dans le contrôle de lancement des missiles dans les systèmes d'armes.

-) N'entrez pas en contact direct avec les parties du produit ayant chauffé pendant de longues périodes. Il pourrait en résulter des brûlures à basse température.

Mesures de sécurité

-) Le panneau couleur LCD TFT utilisé dans ce moniteur est fabriqué en application d'une technologie de grande précision. Cependant, il peut avoir sur l'écran des points minuscules où les pixels ne s'allument jamais ou restent allumés en permanence. De même, si on regarde l'écran avec un angle aigu par rapport à la surface de l'écran, les couleurs et la luminosité peuvent paraître inégales. Notez que ce n'est pas un dysfonctionnement mais un phénomène commun des écrans LCD et que cela n'affectera pas les performances du moniteur.
-) N'affichez pas une image fixe pendant une longue période, car cela pourrait provoquer l'apparition d'une image rémanente.
-) Ne frottez pas, ne grattez pas le moniteur avec un objet dur.
-) Il faut savoir que la Eyevis décline toute responsabilité en cas d'erreurs commises durant l'utilisation par le client ou par une tierce personne, ainsi qu'en cas de dysfonctionnement ou de dommage survenu à ce produit pendant son utilisation, excepté dans le cas de responsabilité reconnue par la loi.
-) Ce moniteur et ses accessoires sont susceptibles d'évoluer sans avis préalable.
-) N'utilisez pas le moniteur dans un endroit où il y a beaucoup de poussières, où le degré d'humidité est élevé, ou encore là où il pourrait se trouver en contact avec de l'huile ou de la vapeur, car cela pourrait provoquer un début d'incendie.
-) Assurez-vous que le moniteur ne se trouve pas en contact avec de l'eau ou d'autres fluides. Assurez-vous qu'aucun objet tel que des agrafes et des trombones ne pénètre dans le moniteur, car cela pourrait provoquer un début d'incendie ou un choc électrique.
-) N'installez pas le moniteur au dessus des objets instables ou dans des endroits peu sûrs. Faites attention que le moniteur ne reçoive pas de chocs violents ni de fortes vibrations. Provoquer la chute du moniteur ou le culbuter peut l'endommager.
-) N'utilisez pas le moniteur à proximité d'un appareil de chauffage ou dans des endroits où la température est élevée, car cela pourrait conduire à un dégagement excessif de chaleur et provoquer un début d'incendie.
-) N'utilisez pas le moniteur dans des endroits exposés directement à la lumière du soleil.
-) Veillez à nettoyer fréquemment la poussière et les débris accumulés sur les ouvertures de ventilation. L'accumulation de poussière sur les ouvertures de ventilation risque d'entraîner une surchauffe, un incendie ou un dysfonctionnement. Il est recommandé de nettoyer l'intérieur du moniteur une fois par an. L'accumulation de poussière à l'intérieur du moniteur risque d'entraîner une surchauffe, un incendie ou un dysfonctionnement. Faites nettoyer l'intérieur du moniteur par un revendeur Eyevis ou un centre de services autorisé.
-) Il n'est pas possible de faire tourner les images sur ce moniteur. Quand vous travaillez suivant la direction verticale, prévoyez d'orienter au préalable le contenu.

-) Veuillez vous assurer que la prise est installée près du système et est facilement accessible. Le cordon d'alimentation est un dispositif de déconnexion.

Le cordon d'alimentation

-) N'endommagez pas le cordon d'alimentation, ne déposez pas d'objets lourds sur le cordon d'alimentation, ne tirez pas dessus et ne le pliez pas de manière excessive.
-) Ne pas utiliser de rallonges endommagées. Tout endommagement du cordon d'alimentation peut provoquer un début d'incendie ou un choc électrique.
-) Utilisez seulement le cordon d'alimentation fourni avec le moniteur.
-) Ne branchez pas le cordon d'alimentation sur une prise multiple. Ajouter une rallonge peut entraîner une surchauffe et provoquer un début d'incendie.
-) Ne débranchez pas ni ne branchez la prise d'alimentation avec des mains humides. En ce faisant, vous risquez un choc électrique.
-) Débranchez le cordon d'alimentation si l'équipement n'est pas utilisé pendant une longue période.
-) Ne tentez pas de réparer le cordon d'alimentation s'il est coupé ou s'il ne fonctionne pas correctement. Veuillez prendre contact avec le service après vente et suivre ses recommandations.

ATTENTION

Ce produit appartient à la Classe A d'après la norme EN 55022: 2010. Dans un environnement résidentiel, il peut provoquer des interférences radio et, dans ce cas, l'utilisateur peut être obligé de prendre les mesures nécessaires.

ATTENTION

Afin de satisfaire aux normes EMC, utiliser des câbles blindés pour connecter les bornes suivantes :
Borne de sortie PC/AV DVI-D, borne d'entrée PC/AV DVI-D, borne d'entrée PC/AV HDMI, borne d'entrée PC D-sub, bornes d'entrée PC RVB, et bornes d'entrée/sortie RS-232C.

AVERTISSEMENT

Un moniteur placé sur un support instable est dangereux en raison des risques de chute qu'il présente. De nombreuses blessures, touchant en particulier les enfants, peuvent être évitées en prenant quelques précautions simples :

- Utiliser les dispositifs de fixation tels que les supports muraux fournis par le fabricant.
- Utiliser uniquement des meubles capables d'accueillir le moniteur en toute sécurité.
- Vérifier que le moniteur ne dépasse pas du bord du meuble sur lequel il est posé.
- Ne pas placer le moniteur sur des meubles hauts, armoires ou étagères, par exemple, sans fixer le meuble concerné et le moniteur à un support approprié.
- Ne pas intercaler de tissu ou toute autre matière entre le moniteur et le meuble sur lequel il est posé.
- Expliquer aux enfants qu'il est dangereux de grimper sur les meubles pour atteindre le moniteur ou ses boutons de commande.

AVERTISSEMENT

En particulier pour la sécurité des enfants

- Ne laissez pas les enfants grimper sur ou jouer avec le moniteur.
- Ne placez pas le moniteur sur des meubles qui peuvent facilement se transformer en marches comme une commode avec tiroirs.
- Souvenez-vous que les enfants s'excitent souvent en visionnant un programme, surtout sur un moniteur « plus grand que la normale ». Il faut faire en sorte d'installer le moniteur là où il ne peut pas être poussé, tiré, ni basculé.
- Il faut faire en sorte de placer les fils et les câbles connectés au moniteur de façon à ce que des enfants curieux ne puissent pas les tirer ni les saisir.

Features

High-resolution wide-screen panel

With a resolution of 1920 x 1080 pixels (Full HD) and 16.7 million colours you can display extremely fine pictures with this TFT LCD display.

PVA technology TFT LCD panel

PVA (Patterned Vertical Alignment) is an alternative version of MVA technology. PVA can offer good black depth and wide viewing angles. The TFT LCD panel offers bright and wide images with colour contrast. Even placed near the window, the unit shows bright and clear images with little reflection. The viewing angles of the monitor are as wide as 176° both horizontally and vertically, enough to enjoy clear images from almost any point of view.

Input connection possibilities

- 1x DVI
- 2x HDMI
- 1x VGA
- 1x S-Video
- 1x C-Video

Packaging

Way of Packaging

The EYE-LCD display is packed in a cardboard. To provide protection during transportation, the EYE-LCD device is surrounded with foam.

To unpack:

1. Release the fastening clips
2. Remove the banding
3. Take the EYE-LCD display out of its shipping carton

Box Content

- Please check the contents of delivery for completion, before starting the installation of the device.

Box content

- 1x display unit
- 1x power cord
- 1x VGA cable
- 1x DVI cable
- 1x HDMI cable
- 1x user's manual
- 1x remote control (optional)

Contents of the Accessory Box

	Item	Quantity
1	Power-Cord	1
2	VGA-Cable	1
3	HDMI-Cable	1
4	DVI-Cable	1
5	Remote Control	1

Power-Cord



VGA-Cable



HDMI-Cable



DVI-Cable

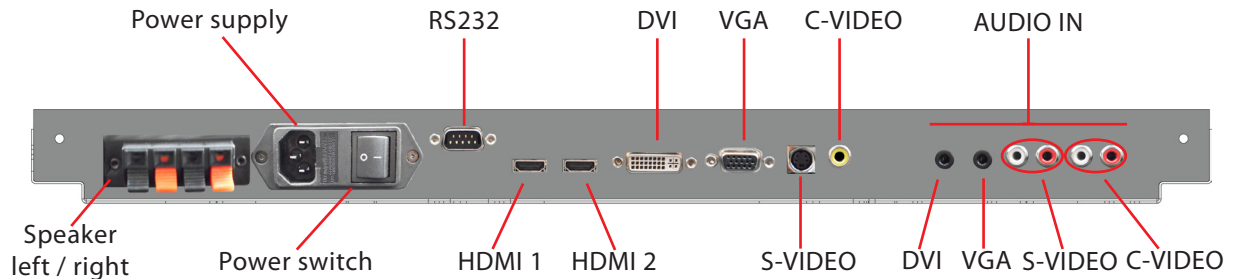


OSD Remote Control



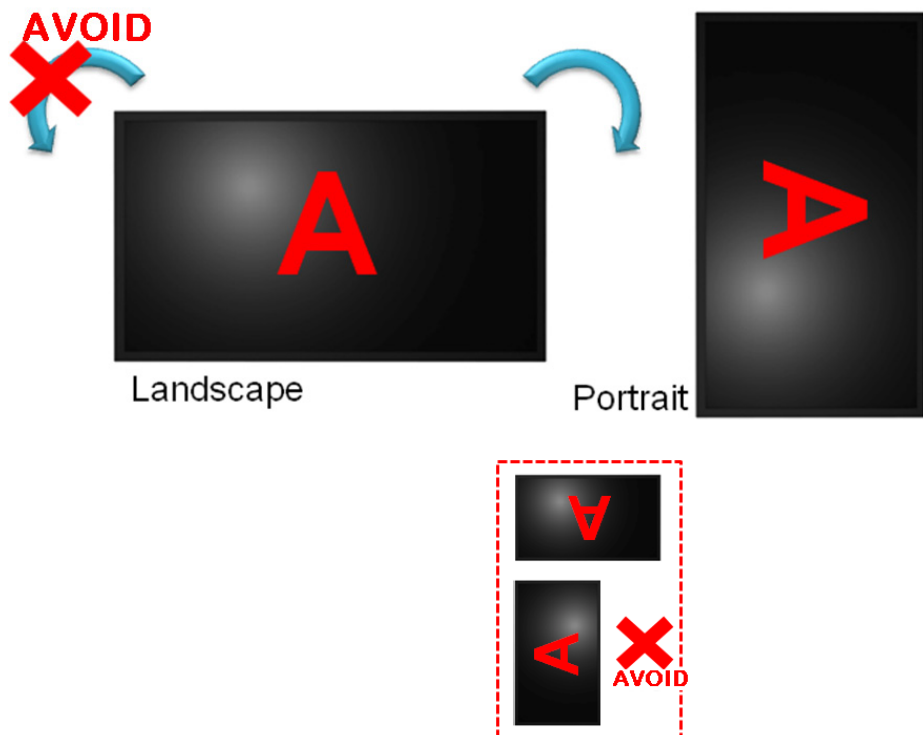
Connectors

All display functions of the on-screen display (OSD) can also be controlled via the EYE-LCD-Series-Display's RS232 serial interface. The display can also be switched ON/OFF using the RS232 interface.



Rotating the Display

When using the display in portrait position, the display should be rotated clockwise so that the left side is moved to the top. (Do NOT rotate the display counter-clockwise or upside down) This will allow for proper ventilation for the display. Improper ventilation may shorten the lifetime of the display. After rotating the display, change the OSD rotation setting from "Landscape" to "Portrait" in the OSD menu.



Operating the Display

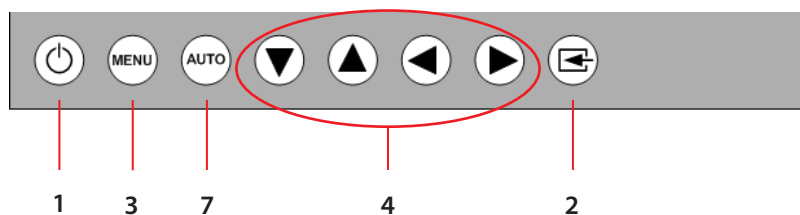
OSD Remote Control



NOTE:

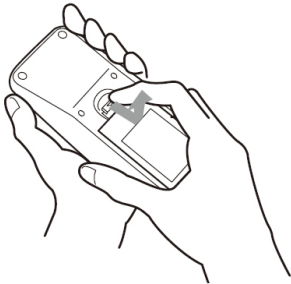
Before using the remote control for the first time, install the two AAA batteries (delivered separately).

OSD Keypad (backside of the display)



No	Function	Description
1	POWER	Turns the display on and off
2	SOURCE	Change source
3	MENU	Opens the displays on-screen menu system. When the menu system is already open, pressing this button will select the previous submenu
4	▲, ◀, ▶, ▼	Navigates through submenus and settings
5	PIP	PIP window ON/OFF When the window is already open, pressing this button will change the size of PIP Options: (Small, Medium, Large)
6	SWAP	Exchange main / sub pip windows
7	AUTO	Auto configuration of ANALOG display
8	PIP POS	PIP window position
9	SCAN MODE	Crop the input based on the input mode and/or input port (video mode crop)
10	IMAGE SIZE	Image size execute

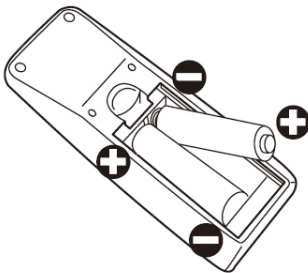
Changing the Remote Control Batteries



1

Remove the battery cover

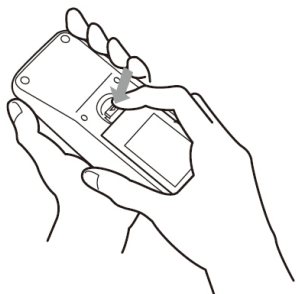
Slide back and remove the battery cover in the direction of the arrow.



2

Insert the batteries

Align and insert two AAA batteries according to their plus and minus ports (as indicated on the button of the battery case of the remote control).



3

Close the battery cover

Replace the battery cover in the direction of the arrow and snap it back into place.

- ▶ Used batteries needed to follow the city rule to be discarded.
- ▶ Avoid keeping used, old batteries inside the remote control, causing leakage of internal liquid resulting metal rust or fatal damage to the remote control hand unit.
- ▶ Battery to be used according to the instruction

⚠ CAUTION**About the remote control**

- Don't drop, shake or bump.
- Don't place on wet materials.
- Don't dismantle.
- Don't place in locations with exposure to high-temperature or high-humidity levels.

Control the Monitor via RS232

All display functions of the on-screen display (OSD) can also be controlled via the EYE-LCD-Series-Display's RS232 serial interface. The display can also be switched ON/OFF using the RS232 interface.

(For more information see chapter „Appendix: RS232 Protocol“ on page 55.)

Turning the Power ON/OFF

Press the POWER button on the remote control unit or on the keypad to turn the power ON/OFF. When the main power switch is off, the display cannot be turned on using the POWER button on the remote control unit. The display can be turned into different power save mode.

(For more information see chapter „Appendix: RS232 Protocol“ on page 55.)



Mode	HSync.	VSync.	Video signal	LED Indication
On	Active	Active	Active	Green LED
Stand-by	Inactive	Active	Active	Amber LED
Suspend	Active	Inactive	Active	Amber LED
Off	Inactive	Inactive	Active	Red LED

Using the On Screen Display (OSD) menu

Navigating through the Menu System

- ▶ With the power on, press MENU. The Image Settings menu will appear.
- ▶ Within the menu, use ▲, ▼, ◀, ▶ and ENTER to navigate through the menus and adjust options.
- ▶ Press MENU to return to the previous menu.
- ▶ To exit the menu system, press EXIT.
- ▶ If you press MENU or EXIT, the settings will be saved automatically.

Image Settings Menu

This menu is used for making common image adjustments.



Brightness

Increases or decreases the brightness of picture.

Press ◀ or ▶, select the desired level, and then press **MENU** to exit.

Range: 0~100 (Default: 50)

Contrast

Increases or decreases the contrast of picture.

Press ◀ or ▶, select the desired level, and then press **MENU** to exit.

Range: 0~100 (Default: 50)

Saturation

Adjusts the brilliance and brightness (only Video Mode).

Press ◀ or ▶, select the desired level, and then press **MENU** to exit.

Range: 0~100 (Default: 50)

Hue

Increases or decreases the hue (only Video Mode).

Press ◀ or ▶, select the desired level, and then press **MENU** to exit.

Range: 0~100 (Default: 50)

Sharpness

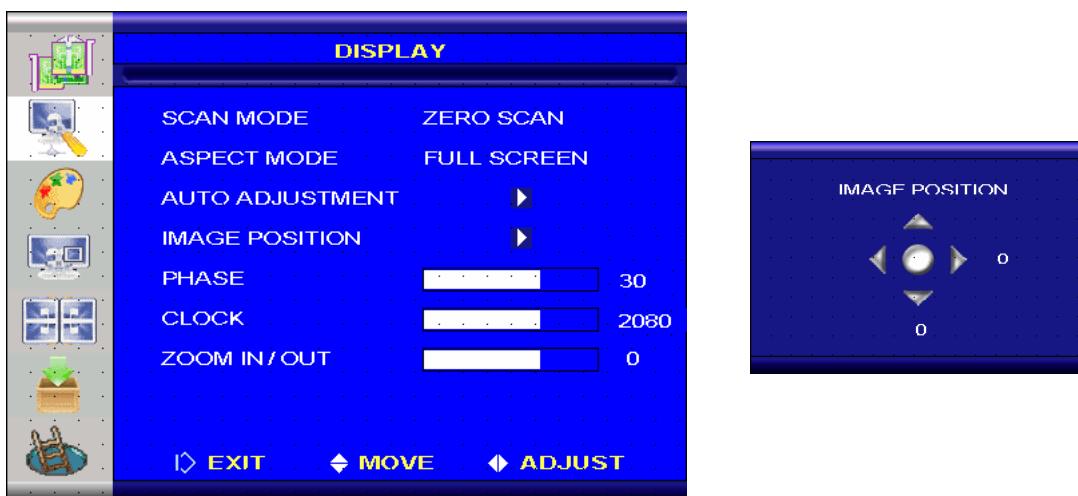
Increases or decreases the sharpness of picture (only Video Mode).

Press ◀ or ▶, select the desired level, and then press **MENU** to exit.

Range: 0~24 (Default: 12)

Display Settings Menu

This menu is used for common source adjustments.



Scan Mode

Crops the input based on the input mode and/or input port (video mode crop) Press ► to change scan mode. Options: Zero scan, Over scan

Aspect Mode

Changes the picture aspect ratio. Press ► to select the following options: auto, full screen, 16:9, 4:3 and one to one

Auto Adjustment

Adjusts the clock, phase, and position of display automatically.
(Enabled in RGB function)

Image Position (Enabled in RGB function)

- H-Position : adjusts the horizontal position of image.
- V-Position : adjusts the vertical position of image.

Phase (Enabled in RGB function)

Adjusts the phase of the screen

PIP Position (Enabled in RGB function)

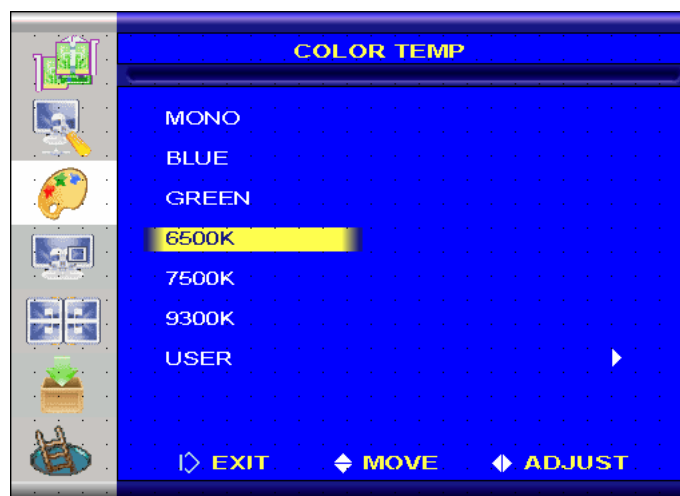
Adjusts the clock (frequency) of the screen

Zoom In/Out

Adjusts the zoom in/out function on the image displayed.

Color Temp Menu

This menu is used for adjusting colour temperature settings.



Color Temp

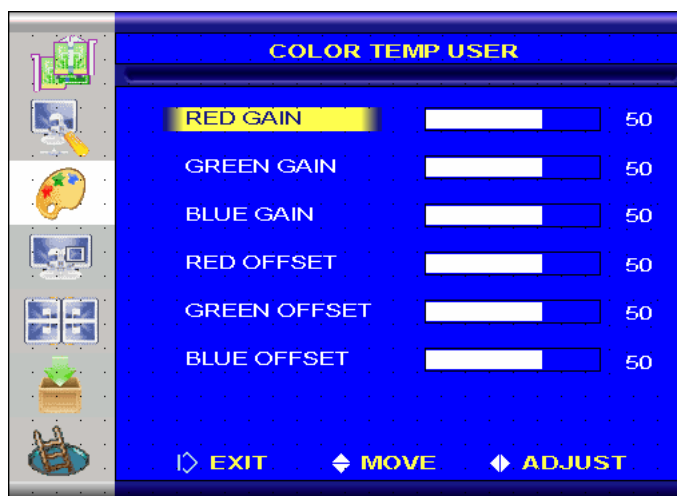
Adjusts the colour temperature. Press ▲ or ▼, to select the following options: MONO, BLUE, GREEN, 6500K, 7500K, 9300K, and USER mode. Press **MENU** to exit.

Color Temp User

Adjusts the colour temperature USER mode. Press ► to enter the menu. (covered below table)

Color Temp User Menu

This menu is used for adjusting user colour temperature settings.



COLOR TEMP USER

Adjusts the colour temperature USER mode.
Press ◀ or ▶ to select the desired level. Press Menu to exit.
Range: 0~100 (Default: 50)

RED GAIN

Adjusts the red colour gain. Press ◀ or ▶ to select the desired level.
Press **MENU** to exit. Range: 0~100 (Default: 50)

GREEN GAIN

Adjusts the green colour gain. Press ◀ or ▶ to select the desired level and then press **MENU** to exit. Range: 0~100 (Default: 50)

BLUE GAIN

Adjusts the blue colour gain. Press ◀ or ▶ to select the desired level and then press **MENU** to exit. Range: 0~100 (Default: 50)

RED OFFSET

Adjusts the red colour offset. Press ◀ or ▶ to select the desired level and then press **MENU** to exit. Range: 0~100 (Default: 50)

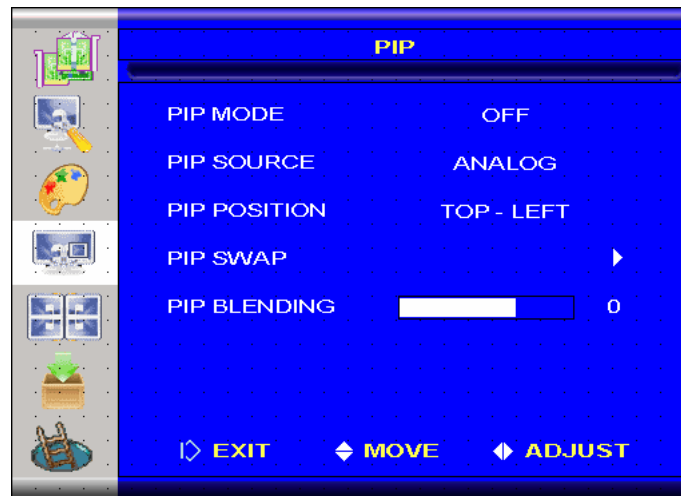
GREEN OFFSET

Adjusts the green colour offset. Press ◀ or ▶ to select the desired level and then press **MENU** to exit. Range: 0~100 (Default: 50)

BLUE OFFSET

Adjusts the blue colour offset. Press ◀ or ▶ to select the desired level and then press **MENU** to exit. Range: 0~100 (Default: 50)

PIP Setting Menu



PIP Mode

Press ► to switch On/Off the PIP (picture in picture) function
 Press ► to adjust the PIP image size and side by side window set:
 (SMALL, MEDIUM, LARGE, SIDE BY SIDE Window)
 Press **MENU** to exit.

PIP SOURCE

Select input signal of PIP. Press ◀ or ▶ to select the desired source:
 (HDMI1, HDMI2, DIGITAL, ANALOG, COMPOSITE, S-VIDEO)
 Press **MENU** to exit.

PIP POSITION

Adjusts the PIP position. Press ► to select the desired PIP position:
 (left-top, left-bottom, centre, right-top, right-bottom)
 Press **MENU** to exit.

PIP SWAP

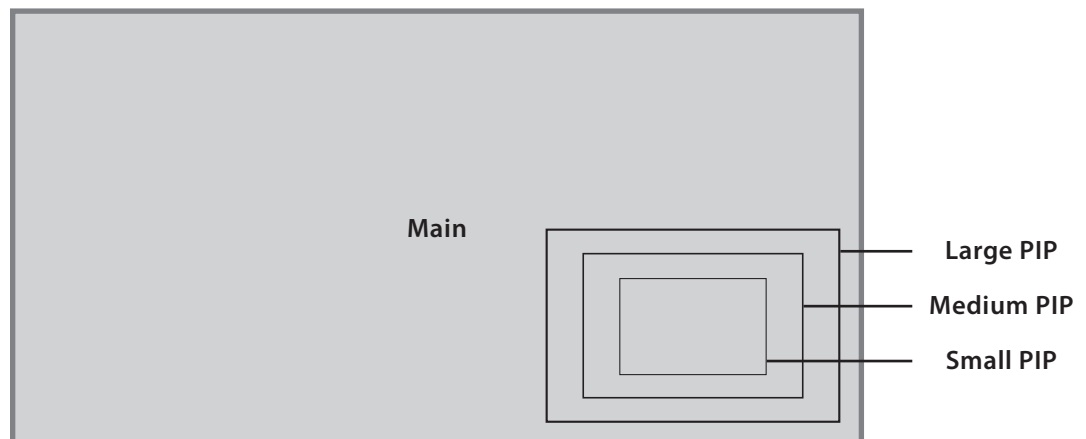
Swaps MAIN and PIP image for input swap feature.
 Press ► to select the desired PIP input source.
 Press **MENU** to exit.

PIP BLEND

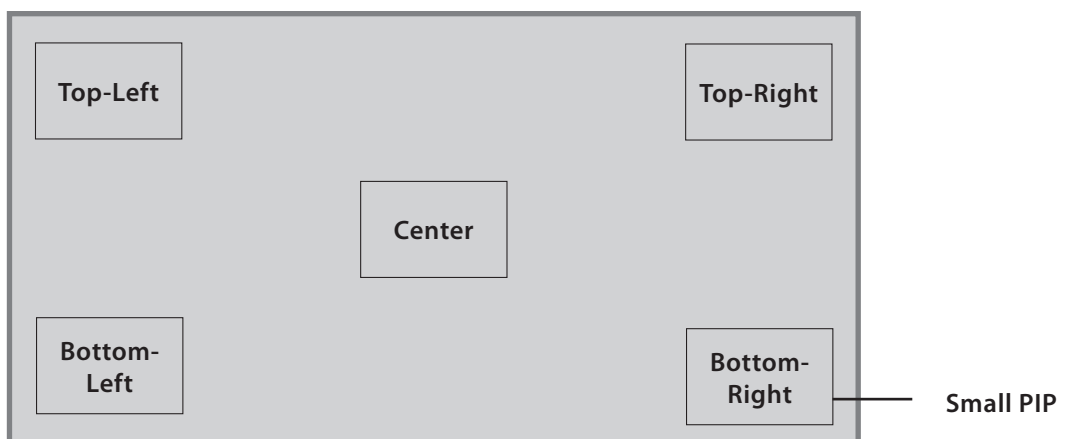
Adjusts the transparency of PIP image.
 Press ◀ or ▶ to select the desired level.
 Press **MENU** to exit.

Using PIP (Picture-in-Picture) Mode

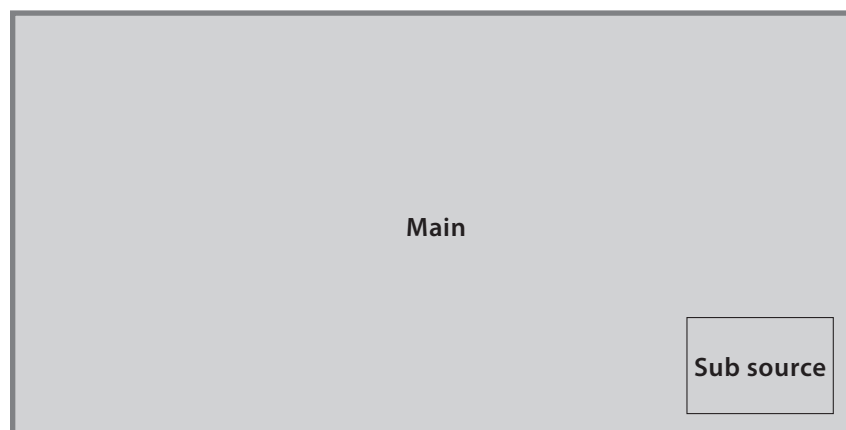
1. Select the main source – Use the remote control, press the desired source button (VGA, HDMI1, HDMI2, DVI, DisplayPort, Composite Video (Video), S-V, or Component).
2. Turn on PIP: Use the remote control, press PIP.



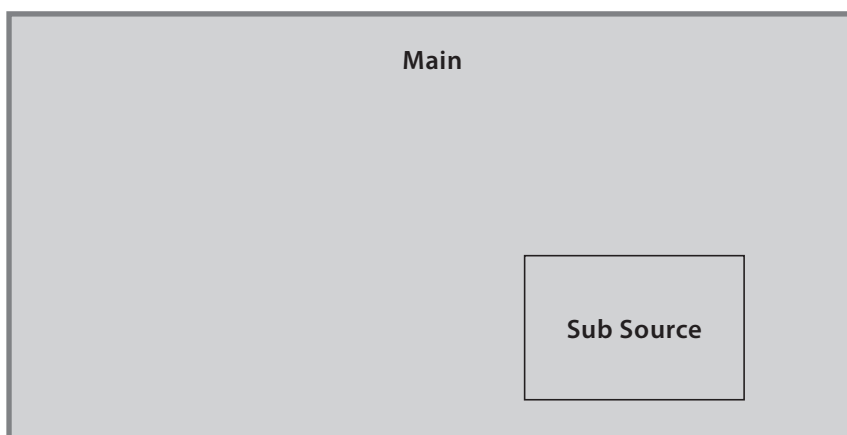
3. To select the PIP/ sub-source: Use the remote control, press P-SOURCE and use the arrow buttons (▼▲) to navigate to the desired sub-source. Press ENTER.
4. To change and position of the sub-source: Use the remote control, press P-POSITION to toggle through the options.



5. To switch the main source and the sub-source: Use the remote control, press SWAP.



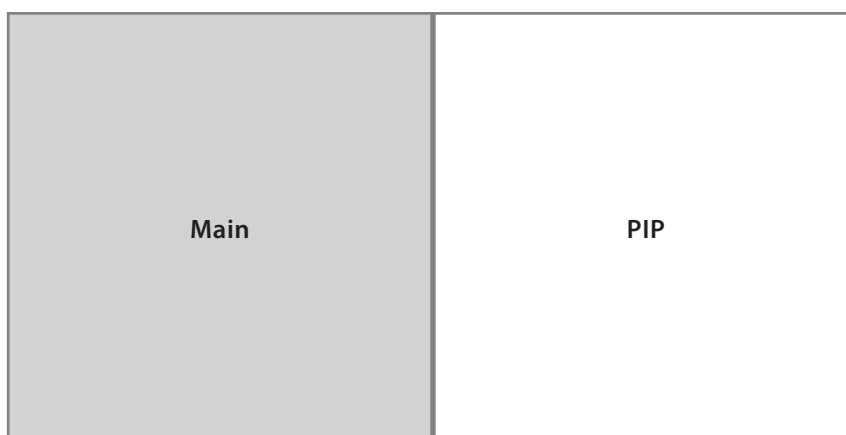
6. To switch audio between the main source and the sub-source: Use the remote control, press AUDIO.



) NOTE:

For additional PIP functionality, press MENU and navigate to the Display Settings menu. Use the arrow buttons (▼▲) to navigate to the desired PIP feature and press ENTER. Press ► to toggle through the associated options and press ENTER to select the highlighted option.

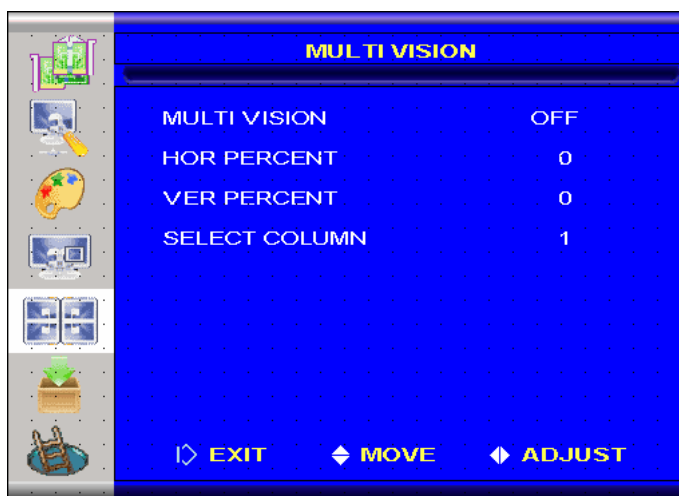
7. Side by Side (Picture-by-Picture): Press P-POSITION button choose "Side by side" mode, then the main source and the sub-source will be on the screen display.



PIP Screen Table

	VGA	HDMI 1	HDMI 2	DVI	Video	S-Video	Component
VGA	---	Yes	Yes	Yes	Yes	Yes	Yes
HDMI 1	Yes	---	---	---	Yes	Yes	Yes
HDMI 2	Yes	---	---	---	Yes	Yes	Yes
DVI	Yes	---	---	---	Yes	Yes	Yes
Video	Yes	Yes	Yes	Yes	---	---	Yes
S-Video	Yes	Yes	Yes	Yes	---	---	Yes
Component	Yes	Yes	Yes	Yes	Yes	Yes	---

Multi Vision Settings Menu



MULTI VISION

Press ► to switch On/Off the Multi Vision function.
Press **MENU** to exit.

HOR PERCENT

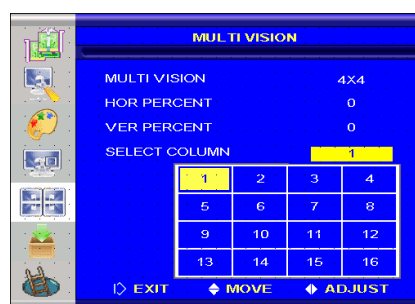
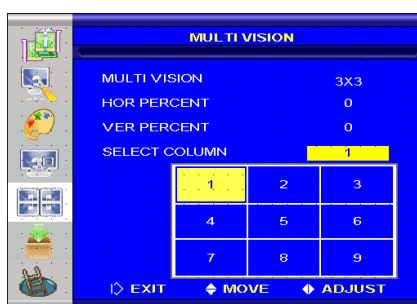
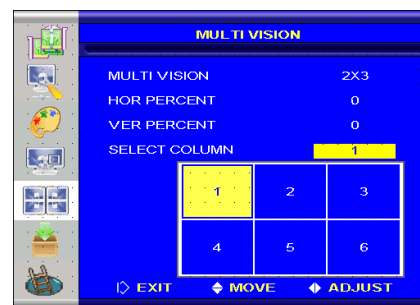
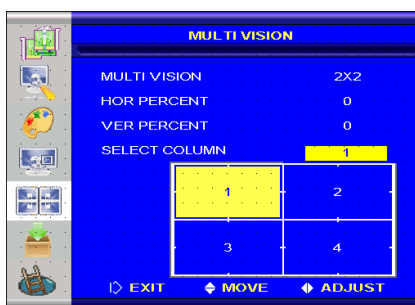
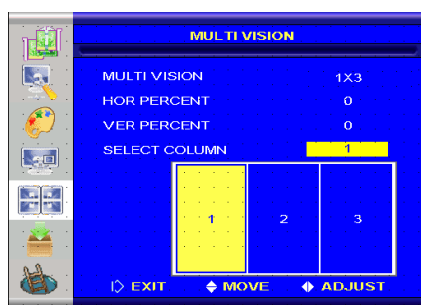
Press ◀ or ▶ to select the desired column border set.
Press **MENU** to exit.

VER PERCENT

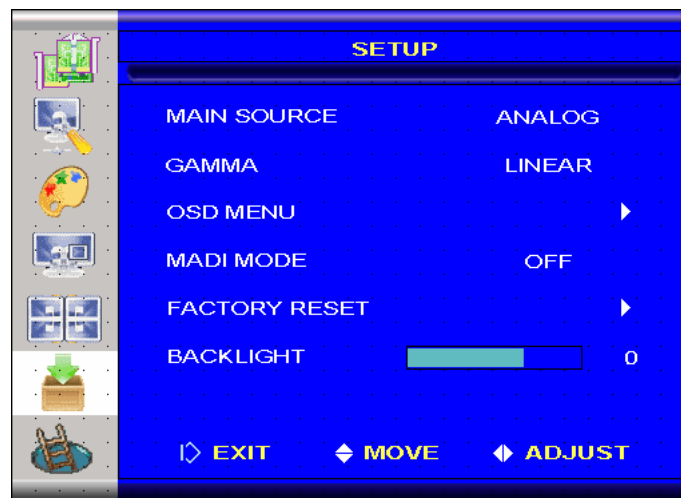
Press ◀ or ▶ to select the desired row border set.
Press **MENU** to exit.

SELECT COLUMN

Press ◀ or ▶ to select the desired selected column of multi vision :
1x3, 2x2, 2x3, 3x3, and 4x4
Press **MENU** to exit.



Setup Menu



MAIN SOURCE

Selects the input signal.

Press ◀ or ▶ to select the desired input source:

(HDMI1, HDMI2, DIGITAL, ANALOG, COMPOSITE, S-VIDEO)

Press **MENU** to exit.

GAMMA

Adjusts panel gamma curve.

Press ◀ or ▶ to select the desired setting: (linear, crt, x-ray)

Press **MENU** to exit.

OSD MENU

Enter the OSD sub-menus.

Press ▶ to enter the OSD sub-menus.

Press **MENU** to exit.

(covered below table)

MADI MODE

Motion Adaptive De-interlacing Control

Press ▶ to switch ON/OFF this option.

Press **MENU** to exit.

FACTORY RESET

Re-initializes mode independent descriptor and port dependent settings value.

Press or ▶ to start the Factory Reset.

Press **MENU** to exit.

BACKLIGHT

Adjusts the Pulse Width Modulation control

Press ◀ or ▶ to select the desired level.

Press **MENU** to exit.

Setup OSD Menu (continued)



LANGUAGE

Adjusts OSD language.
Press ◀ or ▶ to select the desired language:
(ENGLISH, SPANISH, GERMAN, ITALIAN and FRENCH)
Press **MENU** to exit.

OSD TIMER

Adjusts the OSD off timer.
Press ◀ or ▶ to select the desired value.
Press **MENU** to exit.
Range: 0~60 (Default: 10 sec)

OSD ROTATION

Adjusts the OSD Direction.
Press ▶ to select the OSD direction:
(NORMAL, MIRROR, LEFT, RIGHT, UP/DOWN)
Press **MENU** to exit.

OSD H POS

Adjusts the OSD horizontal position.
Press ◀ or ▶ to select the desired OSD H position:
Press **MENU** to exit.
Range: 0~100 (Default: 50)

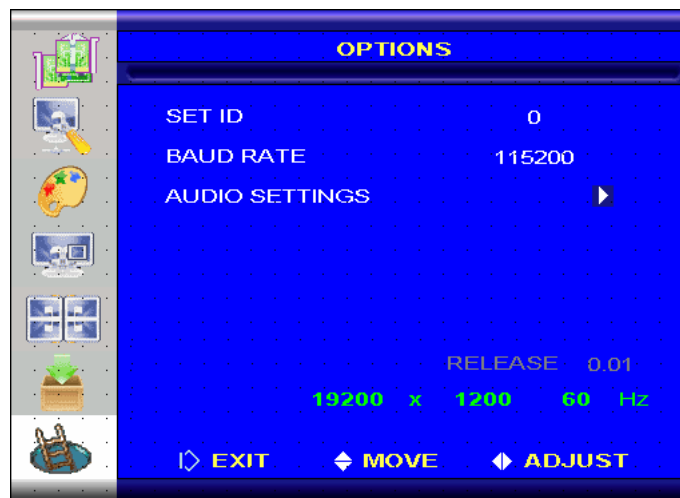
OSD V POS

Adjusts the OSD vertical position.
Press ◀ or ▶ to select the desired OSD V position:
Press **MENU** to exit.
Range: 0~100 (Default: 50)

OSD BLENDING

Adjusts the OSD transparency
Press ◀ or ▶ to select the desired level.
Press **MENU** to exit.

Options Menu



SET ID

Monitors are identified when you come to the RS232 & RS485 communication.
Press **MENU** to exit.

BAUD RATE

Selects the baud rate. Press ◀ or ▶ to select the desired baud rate: (115200 bps, 19200 bps, & 9600 bps)
Press **MENU** to exit.

AUDIO SETTINGS

Enter the Audio sub-menus. Press ▶ to enter the Audio sub-menus.
Press **MENU** to exit.
(covered below table)

Options Menu (continued)



VOLUME

Adjusts the volume for the specified volume window.
Press ◀ or ▶ to select the desired volume level. Press **MENU** to exit.
Range: 0~25 (Default: 11)

BALANCE

Adjusts balance for specified audio output.
Press ◀ or ▶ to select the desired level. Press **MENU** to exit.
Range: 0~100 (Default: 50)

BASS

Adjusts bass for specified audio output.
Press ◀ or ▶ to select the desired level. Press **MENU** to exit.
Range: 0~100 (Default: 10)

TREBLE

Adjusts treble for specified audio output.
Press ◀ or ▶ to select the desired level. Press **MENU** to exit.
Range: 0~100 (Default: 10)

VOLUME WINDOW

Adjusts the audio focus window for the layout (PIP&SIDE BY SIDE) operation
Press ◀ or ▶ to select the desired option: PIP & SIDE BY SIDE.
Press **MENU** to exit.

MUTE

Press ▶ to switch MUTE ON/OFF the volume for the specified volume window. Press ◀ or ▶ to switch.
Press **MENU** to exit.

Troubleshooting guide

Before calling service personnel, please check the following chart for a possible cause of the trouble you are experiencing.

Symptom	Check these things
No picture	<ul style="list-style-type: none"> • Check if the power cord is plugged in. • Check if the power is not OFF or standby. • Check if the auxiliary equipment is connected properly. • Check if the input setting is correct. • Check if the signal is suitable.
The remote control does not operate	<ul style="list-style-type: none"> • Check if the batteries are inserted matching the + and - marks of the battery compartment. • Check if the batteries are exhausted. • Aim at the remote control sensor when using the remote control.
The picture colour is pale, or not clear	<ul style="list-style-type: none"> • Check the picture quality adjustment. • Check if the cables are connected correctly.

Malfunction or trouble

CAUTION

Smoke or peculiar smells

If the unit is still used in this condition, it may cause a fire or an electric shock.

- ▶ Remove the power plug from the outlet immediately.
- ▶ Make sure that the smoke or smell has stopped, then contact your dealer for inspection.

CAUTION

Liquids or objects inside the device

If you continue to use the device after water, other fluids or objects have been spilled or dropped, this may cause a fire or an electric shock.

- ▶ Remove the power plug from the outlet immediately.
- ▶ Contact your dealer for inspection.

CAUTION

Damage caused by dropping the device

If you continue to use the device after it has been dropped or the housing has been damaged, it may cause a fire or an electric shock.

- ▶ Remove the power plug from the outlet immediately.
- ▶ Contact your dealer for inspection.

CAUTION

Damaged or hot power cable

If you continue to use the device even though the power cable is damaged or becomes hot, it may cause a fire or an electric shock.

- ▶ Remove the power plug from the outlet immediately.
- ▶ Contact your dealer for inspection.

Effects in continuous operation of LCDs

False installation or use of the display during operating time may bring undesirable partly visible effects. The internal structure of LCD panel may be changed by outside influences with partly visible effects.

Image sticking

This phenomenon which named alternatively "image retention", "ghost image", "memory effect" or "remanent image" appears if the fluid crystals of the panel depart from the initial position. This undesired effect may occur if same content is showed continually for long time and thereafter the content changes. Then possibly old content is still visible as "shade". These effects are wear marks, which may be intensified by unsuitable usage. It is not a defect!

Image Sticking must not mixed up with "Burn-in", which is a known fact of plasma displays and cathode ray tubes and is based on completely different physical mechanisms. Heavy "Image Sticking" may be reversed by long switch off of the LCD/TFT displays.

Image Sticking of TFT panels is excluded from the warranty.

Mura

Further effect is Mura (a Japanese term for unevenness), which is visible as cloud formation. These clouds are particularly visible at low brightness. The most probably for the occurrence of Mura is operating the system in wrong temperature specifications. These may be caused by to high ambient temperature as well as poor air supply caused by inconvenient installation or polluted ventilation system.

Mura of TFT panels is excluded from the warranty.

Shade formation

Dust particle may build up inside the panel caused by high ambient pollution level. These particles climb up in the panel. This effect starts mostly in corners of the rim through the different layers by convention and capillary formation. These pollutions may be reversed by resolving and cleaning of the panel components in our clean room.

Shade formation of TFT panels by pollution is excluded from the warranty.

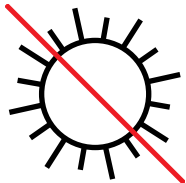
Prevention of undesirable effects



NOTICE!

Reduce ambient temperature

- ▶ Operate the device at an ambient temperature of max. 25°C.
- ▶ Ensure that the ventilation slots of the display are not covered or polluted by dust.



NOTICE!

Avoid direct sunlight

This extends the life-time of the display and reduce the risk of undesirable effects.

- ▶ Do not install or store the device in places with direct sunlight or near heat sources.



NOTICE!

Operating time of device

The operating time should not be longer than 20 hours a day. The display should be switched off for 4 hours. This extends the life-time of the display and reduce the risk of undesirable effects.

- ▶ Switch off or turning the device to Stand-by-mode for 4 hours.

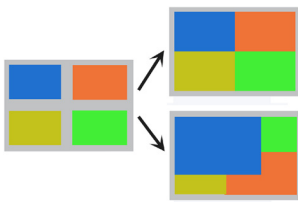


NOTICE!

Avoiding static images

Static images increase the risk of undesirable effects.

- ▶ Activate a screen saver on the computer for these signals if they do not have to be surveyed as long as they do not change their content (e.g. logos, pictograms...).



NOTICE!

Scaling of the input signals

Avoid the static black borders on the screen.

- ▶ Scale up signals, that do not have the same native aspect ratio as the display, to use the entire screen area.
For example, a 4:3 image signal should be scaled up to 16:9 format to fill the complete screen.



NOTICE!

Reduce the display brightness to 50 %

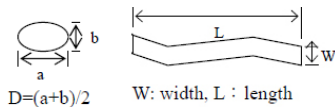
The reduced brightness enlarges the life-time of the display and allows later readjustments of the brightness level.

- ▶ Operate the device with brightness to 50% if possible.

Evaluation of visual range

Pollutions

By the production process and handling of the displays occurs kinds of pollution in range of vision. It applies to inclusions, blistering, depressions, marks, scratches. The following tolerance limits is specified for bonded glass surfaces and optional touch surfaces:



Tolerance limits for bonded glass surfaces

Kind of pollution	Critical value
Inclusions / Marks	$0,5 < D \leq 1,2 \text{ mm}, N \leq 16$
Depressions / Blistering	$0,3 < D \leq 1,2 \text{ mm}, N \leq 16$
Scratch / Lints	$0,15 < W \leq 0,25 \text{ mm}, 0,3 < L \leq 10,0 \text{ mm}, N \leq 10$

Tab. 1: Critical values of pollutions for bonded glass surfaces

Tolerance limits for optional touch surfaces

Pollution Category	Critical value	Acceptable total number [G] of defects	Critical value
Inclusions / Marks	$D \leq 1,5 \text{ mm}$	Panel size to 55"	$N \leq 8, G \leq 12$
Depressions / Blistering	$D \leq 1,5 \text{ mm}$	Panel size from 56" to 65"	$N \leq 9, G \leq 14$
Scratch / Lints	$W \leq 0,25 \text{ mm}, L \leq 15,0 \text{ mm}$	Panel size from 66" to 70"	$N \leq 11, G \leq 15$
		Panel size from 71" to 82"	$N \leq 14, G \leq 18$
		Panel size from 83" to 110"	$N \leq 16, G \leq 24$

Tab. 2: Critical values of pollution for touch surfaces

Tab. 3: Acceptable total number of defects for touch surfaces

D = diameter, L = length, W = width, N = number of pollution of a category, G = total number of mechanical defects or surface pollutions

Failure of pixel

A image point (Pixel) consist of 3 sub pixel with basic colour red, green and blue. The physical dimension of a pixel (also called pixel pitch) differs depending on the model (look at the data sheet for more information). If a pixel failure is larger than 1/2 pixel, it counts as pixel failure according to definition. 3 kinds of pixel failures are differentiated:

- Permanently bright pixel.
The bright pixel is permanently and with constant size at black testing image.
- Permanent dark pixel.
The pixel appears permanently dark and constant size at red, green and blue testing image.
- Two pixels lying next to each other.
Two directly bordering pixels shows a defect.



For more information about acceptable number of dot defects according to ISO 9241 for Class II, see chapter „Overview acceptable total number of dot defects“ on page 46.

Overview acceptable total number of dot defects

Isolated pixel errors can not be eliminated for production reasons. The standard ISO 9241-307 specify the acceptable total number of dot defects for class II panels. You can see the tolerance limits in the following table:

Tab. 4: Acceptable total number of defects (ISO9241-307)

Acceptable total number of dot defects according to ISO 9241-307 for class II panels (in relation to the resolution)				
Resolution	Defect type 1	Defect type 2	Defect type 3	
	Bright dot	Black dot	Defect bright subpixel Total = $5-n^*$ $n^* = 0..[5..11]$	Defect black subpixel Total = $2xn^*$ $n^* = 0..[5..11]$
1 million pixel	2	2	5 $5-n^*$ 0	0 $2xn^*$ 10
XGA 1024 x 768 (0.786 million pixel)	2	2	4 $4-n^*$ 0	0 $2xn^*$ 8
SXGA 1280 x 1024 (1.310 million pixel)	3	3	7 $7-n^*$ 0	0 $2xn^*$ 14
WXGA 1366 x 768 (1.049 million pixel)	3	3	6 $6-n^*$ 0	0 $2xn^*$ 12
WXGA+ 1440 x 900 (1.296 million pixel)	3	3	7 $7-n^*$ 0	0 $2xn^*$ 14
HD 1920 x 1080 (2.073 million pixel)	5	5	11 $11-n^*$ 0	0 $2xn^*$ 22

Example: Total number of defect subpixel
(In relation to 1 million pixel)

Number of bright subpixel $n = 4$, then are only 2 black subpixel allowed (see on right side)

→ 4 bright subpixel + 2 black subpixel

5 bright subpixel + 0 black subpixel
4 bright subpixel + 2 black subpixel
3 bright subpixel + 4 black subpixel
2 bright subpixel + 6 black subpixel
1 bright subpixel + 8 black subpixel
0 bright subpixel + 10 black subpixel

Warranty terms and conditions

Duration and validity of warranty

The specified product is under warranty for 24 months beginning from the date of delivery by eyevis, valid for the European Union. 12 months applies to products that were purchased outside the European Union. Warranty services during the warranty period do not extend the validity period of the warranty.

Proof of purchase

The sales agreement or the invoice (original invoice with serial number) of the first purchaser must be presented as proof of purchase to claim warranty services. If the customer cannot provide this evidence of purchase, the warranty period is dated back to the date of purchase at the distributor (first supplier) plus one month.

Warranty service or exchange during warranty period

If the product shows any faults or defects during the warranty period, eyevis provides the following services in compliance with the warranty:

Dead On Arrival (DOA)

The customer has to inspect each delivery immediately upon receipt. If any packaging is damaged, the customer has to notify his carrier immediately at goods receiving. If a defect is detected at first unpacking (packaging is not damaged), the customer has to notify his specialist supplier (point of purchase) immediately about the defect. Otherwise the product will be treated under usual terms of warranty.

Return-to-Base-Warranty (Bring-In Warranty)

Defective parts or products must be sent back carriage free to eyevis. In certain circumstances, the product can be sent back to the specialist supplier (place of purchase) or to eyevis service center (country of purchase).

If the product requires repair under warranty, the customer is responsible for the cost of transportation to eyevis. eyevis bears only the one-way costs for the reshipment of repaired or exchanged products to the customer. During transit, the goods are at the owner's risk.

Repair and return

The defective product has to be sent to eyevis by the customer and is repaired within 21 days. In this case, eyevis bears the costs for required components that may be required or the arising working time, as well as for the costs for reshipment to the customer.

Temporary exchange equipment during repair time

(only products under warranty)

Bring-in warranty. The customer can request a temporary exchange product during the repair time if the product under warranty cannot be repaired within 30 days. Depending on availability, eyevis decides whether the equipment can be replaced. Any costs of a return delivery for the exchange equipment are borne by the customer.

Warranty on repairs

As a general rule, repairs or replacements do not extend or restart the warranty period. The repaired parts/components will be treated under warranty for 3 months for same kind of problems.

Warranty exclusions

General exclusions

This warranty covers only malfunction due to any defect in material and/or workmanship of a product put into circulation by eyevis . A guarantee is therefore excluded for any faults and defects beyond the responsibility of the eyevis, particularly in cases of:

- Improper use, mechanical damages (e.g. marks caused by scratching, pressure or breaking), improper storing or cleaning, transport damages, misuse, or any other reason the customer or a third party is to blame for, especially if the instructions contained in the manual are not adhered to.
- Display damages caused by the permanent representation of static images (or partially static images).
- Failures or fluctuations of the electrical mains supply, the air conditioning system, or other environmental conditions.
- Abnormal operating conditions, including smoke (e.g. cigarette smoke) and dust.
- Defects caused by normal wear and tear or defects caused by lack of service and maintenance (e.g. cleaning the filter).
- Act of God, fire, flood, aggressive chemical, aggressive biological activity, event of war, vandalism, accidents, etc.
- Errors of all kinds of using defective or incompatible accessories. (Not including components delivered from eyevis which are covered by the product's warranty).
- Attempted repair, setting, change, installation, or maintenance by a person not authorized by eyevis.

"Image Sticking" (memory) effect and "Mura"

see chapter „Effects in continuous operation of LCDs“ on page 43.

Failure of pixel

see chapter „Evaluation of visual range“ on page 45.

Accessories

Accessories, such as cardboard boxes, packaging, batteries and other components that are used in connection with this product and that expected to be exchanged are not covered by this warranty.

Factory-applied serial number

A product that's serial number is damaged, changed, or removed is no longer covered by this warranty.

Service contact

The reaction time to claim a right given by this warranty starts with the customer's announcement of the claim to eyevis. It is calculated in accordance with the standard service hours of eyevis.

For information about eyevis service, please visit www.eyevis.de.

Advised procedure for raising a claim

Consider the manual before raising a claim

See the sections on "Troubleshooting" and in the manual and check whether the problem might be solved on-site before raising a claim referring to this warranty.

Prepare necessary information

If the problem still exists, the customer should try to get support from a regional eyevis partner.

Please prepare the following information:

- Product identification (model/type) and serial number of the device
- Date and place of purchase or eyevis order number (e.g. AUF-...)
- A description of the problem in hand
- Pick-up address and contact information
- A description of the requested service

Approval by eyevis

After performing an analysis of the faults and damages of the device, eyevis will approve your warranty claim if the necessary requirements are fulfilled.

Service code: RMA number

In case of a defect, the customer will receive a service code the RMA number. eyevis will prepare the service requested by the customer.

Packing

The customer has to pack the defective device properly in the original box, to label it as fragile, and to attach the RMA number visibly on the box. eyevis can provide a new original box on request. The customer is liable for damages caused by the use of improper or unsuitable packaging.

Transport

The customer arranges the transport of the device to eyevis.
For more information, please contact eyevis.

Costs not covered by warranty defects

eyevis reserves the right to charge the customer for costs incurred due to complaints concerning defects or faults that are not covered by warranty.

Legal and other claims

There are no other express or implied warranties, representations, or conditions than those stated in this warranty. Other legal or contractual claims, including against the seller of the product, are excluded as far as eyevis has provided service based on this warranty.

This warranty does not affect or have influence on other legal guarantee claims or other contractual claims of the customer against the seller of the product. These claims can be made alternatively to the claims referred to in this warranty document.

Limitations of liability

In cases of slight negligent breaches of duty, the liability of eyevis is limited to the direct, foreseeable, and contract-typical average damage. The slightly negligent breach of minor contractual obligations excludes the liability.

eyevis will not be liable for any loss, damage or alterations to third party accessories, hardware or software or programs, data or information stored on any media or any part of the product, no matter how it occurs, or for any loss or damage arising from loss of use, loss of profits or revenue, or for any resulting indirect or consequential loss or damage.

The policy sum regarding all requirements of the warranty does not exceed, at discretion of eyevis, the original purchase price of the product or alternatively the costs of substitution of the product.

The warranty shall not apply to repairs or service necessitated by normal wear and tear or for lack of reasonable and proper maintenance.

As far as the liability of eyevis is excluded or limited, this also applies to the personal compensation liability of its staff, employees, associated employees, agents, and auxiliary persons.

The preceding limitations of liability do not apply to the customer's claims derived from the Product Liability Act and to claims concerning damages to the body or health or in case of the loss of the life of the customer.

Appendix

Appendix: Technical Specifications EYE-LCD-7000-LE-500/700

EYE-LCD-7000-LE-500/700

LCD DISPLAY		EYE-LCD-7000-LE-500	EYE-LCD-7000-LE-700
Backlight Technology	Edge-LED		
Max. Image Resolution	1,920 x 1,080 (full HD)		
Colours	16,7M (8bits-true)		
Viewing Angle	176° / 176° (H/V)		
Response Time	6 ms		
Contrast Ratio	5000:1		
Brightness	500 cd/m2 (typ.)	700 cd/m2 (typ.)	
Pixel Pitch	0,802 (H) x 0,802 (V) mm		
CONNECTOR & CONTROL			
Signal Connectors:	1x DVI / 2x HDMI / 1x VGA / 1x S-Video / 1x C-Video		
Audio	2x Cinch / 2x MiniJack 3,5 mm		
Control Interface:	RS232 (9-pin D-Sub) / IR remote control / rear panel control buttons		
POWER SUPPLY			
Input Voltage	90-264V 50/60Hz, integrated mains adapter		
Power Consumption:	≤240W (typ.)		
ENVIROMENTAL			
Temperature	0-40 °C		
Humidity	20-80% RH		
MECHANICAL			
Screen Diagonal	70 inch (ca. 203 cm)		
Screen Area	1538,9 (H) x 865,6 (V) mm		
Dimensions (WxHxD)	1622 x 951 x 91,4 mm		
Bezel	ca. 40 mm (all sides)		
Weight	approx. 68 kg		
OPTIONS			
Customized Finishing	Standard colour black (RAL9005), other RAL finishings available on request		
ORDER INFORMATION			
Article Number	0000017171	0000017170	

considered as defects in terms of our warranty conditions (recommended operating time: ≤ 20/7)

Appendix: Technical Specifications EYE-LCD-8000-LE-500/700

EYE-LCD-8000-LE-500/700

LCD DISPLAY

EYE-LCD-8000-LE-500

EYE-LCD-8000-LE-700

Backlight Technology	Edge-LED	
Max. Image Resolution	1,920 x 1,080 (full HD)	
Colours	16,7M (8bits-true)	
Viewing Angle	176° / 176° (H/V)	
Response Time	4 ms	
Contrast Ratio	5000:1	
Brightness	500 cd/m2 (typ.)	700 cd/m2 (typ.)
Pixel Pitch	0,9225 (H) x 0,9225 (V) mm	

CONNECTOR & CONTROL

Signal Connectors:	1x DVI / 2x HDMI / 1x VGA / 1x S-Video / 1x C-Video
Audio	2x Cinch / 2x MiniJack 3,5 mm
Control Interface:	RS232 (9-pin D-Sub) / IR remote control / rear panel control buttons

POWER SUPPLY

Input Voltage	90-264V 50/60Hz, integrated mains adapter
Power Consumption:	≤320W (typ.)

ENVIROMENTAL

Temperature	0-40°C
Humidity	20-80% RH

MECHANICAL

Screen Diagonal	80 inch (ca. 203 cm)
Screen Area	1771 (H) x 996 (V) mm
Dimensions (WxHxD)	1840 x 1065 x 80 mm
Bezel	ca. 40 mm (all sides)
Weight	approx. 78 kg

OPTIONS

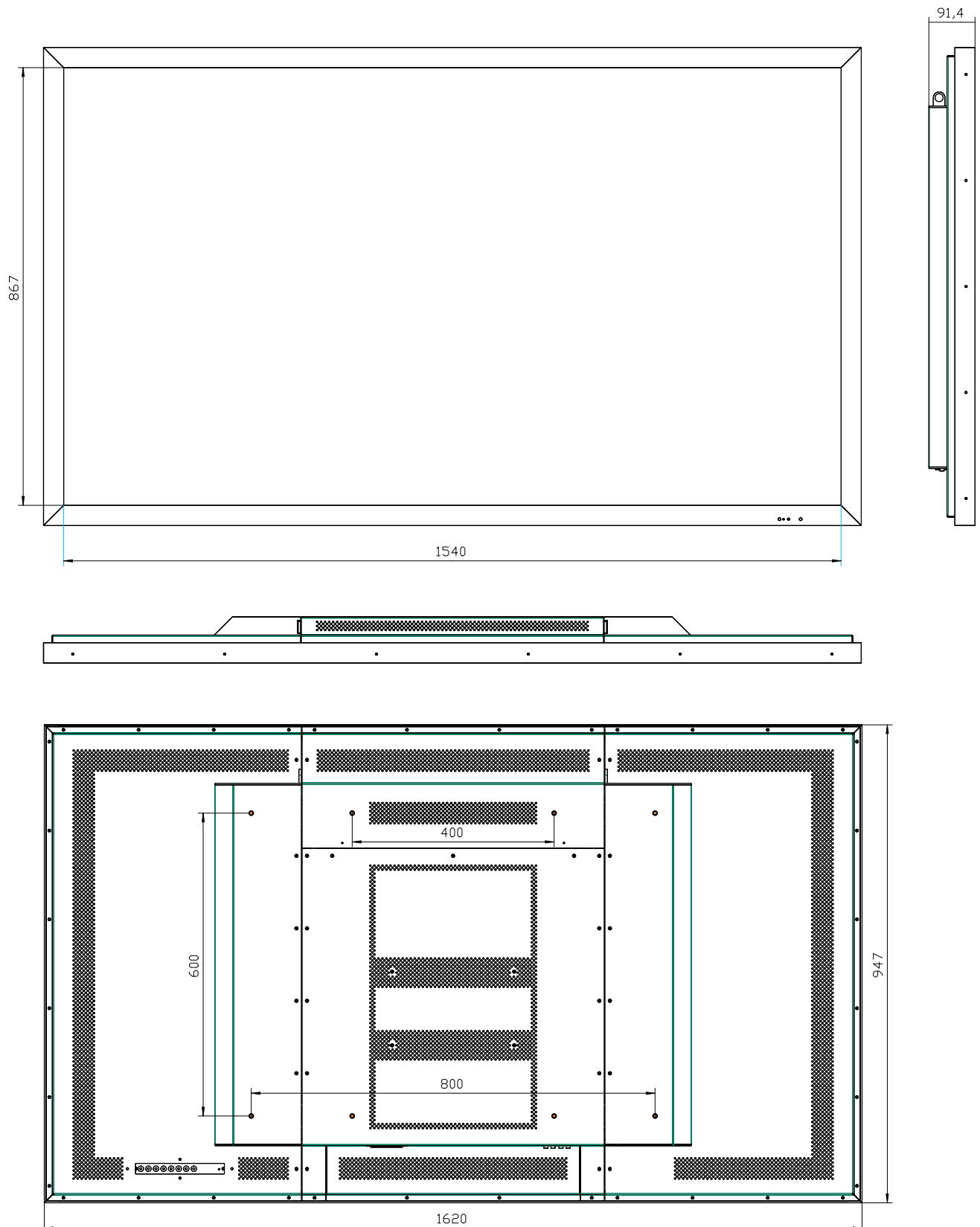
Customized Finishing	Standard colour black (RAL9005), other RAL finishings available on request
----------------------	--

ORDER INFORMATION

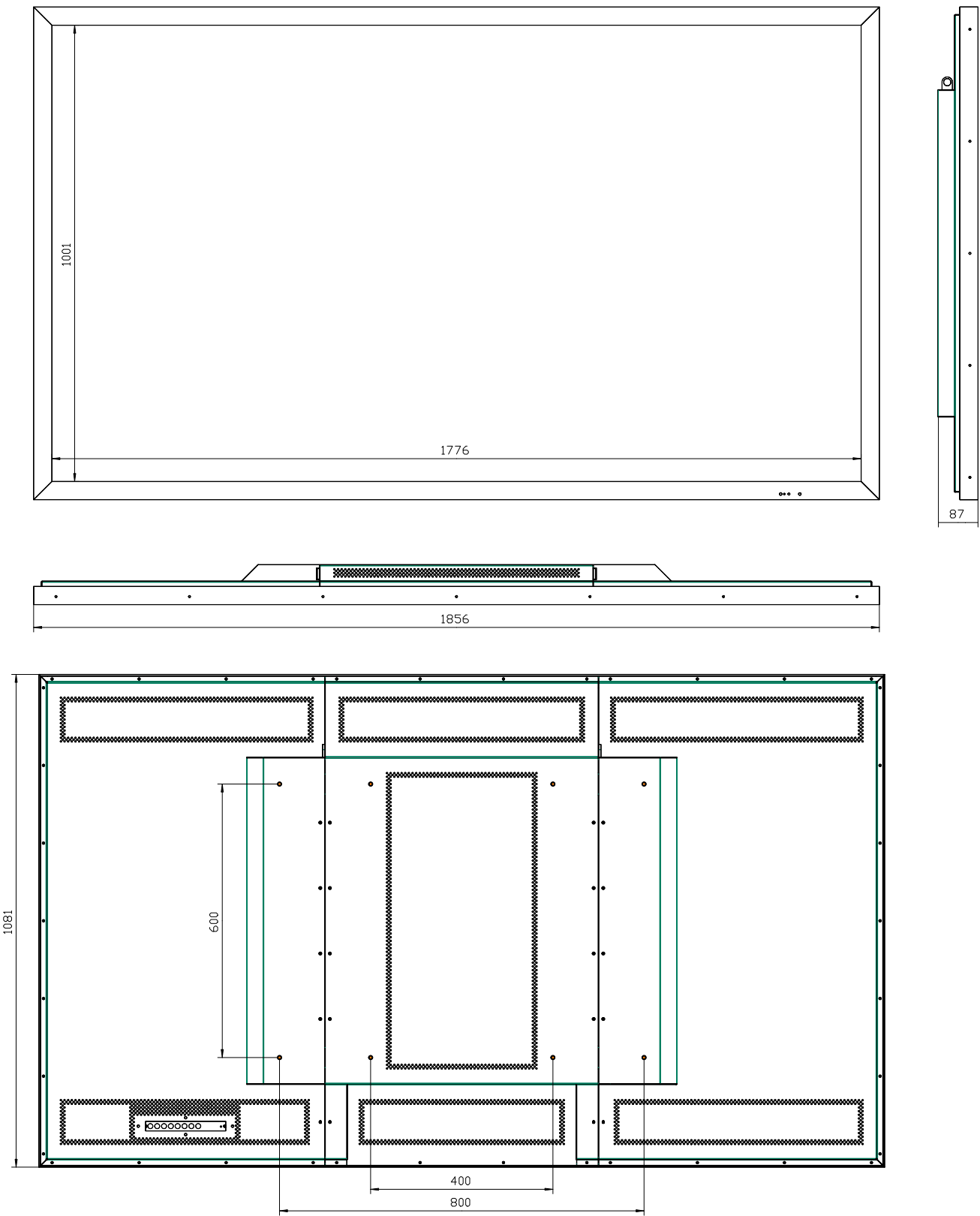
Article Number	0000017169	0000016995
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considered as defects in terms of our warranty conditions (recommended operating time: ≤ 20/7)

Appendix: Dimension EYE-LCD-7000-LE



Appendix: Dimension EYE-LCD-8000-LE



Appendix: RS232 Protocol

[Communication Parameters]

) Cable:	Sub-D 9pin - male/male - crossed
) Baud rate :	115200 bps, 19200 bps, 9600 bps
) Data length :	8 bit
) Parity :	None
) Stop bit :	1
) Communication code :	ASCII
) Communication Protocol :	8 byte

Syntax : $[Cr] = [Len] + [Cmd] + [Index] + [Wall\ ID] + [Set\ ID] + [Data] + [Wall\ Column\ ID] - 1;$
 $[Cr] = \sim[Cr];$

Example1: Set backlight to 100%

String syntax from table: 0x08 0x12 0x80 0x00 0x00 0x64 0x01 [Cr]

Calculating the checksum: $\sim[Cr] = [0x08] + [0x12] + [0x80] + [0x00] + [0x00] + [0x64] + [0x01] - 1;$
 $\sim[Cr] = [0xFE]$
 $[Cr] = [0x01]$ (negation of $\sim[Cr]$)

Insert the [Cr] in string: 0x08 0x12 0x80 0x00 0x00 0x64 0x01 0x01

Example2: Power on the device (POWER MANAGE)

String syntax from table: 0x08 0x12 0x9c 0x00 0x00 0x01 0x01 [Cr]

Calculating the checksum: $\sim[Cr] = [0x08] + [0x12] + [0x9c] + [0x00] + [0x00] + [0x01] + [0x01] - 1;$
 $\sim[Cr] = [0xB7]$
 $[Cr] = [0x48]$ (negation of $\sim[Cr]$)

Insert the [Cr] in string: 0x08 0x12 0x9c 0x00 0x00 0x01 0x01 0x48

[SEND COMMAND Reference List]

SEND [ACK/NAK] :

- [ACK] : [Len][ACK][Data] => [0x03][0x0c][0xf1],
- [NAK] : [Len][NAK][Data] => [0x03][0x0b][0xf2]

Name	Len	CMD	Index	Wall ID	Set ID	Data	Wall Column ID	Cr
HUE	0x08	0x12	0x7b	0x00~0x64	0x00~0x64	0x00~0x64	0x01~0x10	
SATURATION	0x08	0x12	0x7c	0x00~0x64	0x00~0x64	0x00~0x64	0x01~0x10	
SHARPNESS	0x08	0x12	0x7d	0x00~0x64	0x00~0x64	0x00~0x64	0x01~0x10	
IMAGE SIZE	0x08	0x12	0x7e	0x00~0x64	0x00~0x64	0x00~0x04	0x01~0x10	
FW RELEASE	0x08	0x12	0x7f	0x00~0x64	0x00~0x64	0x00~0x01	0x01~0x10	
BACKLIGHT	0x08	0x12	0x80	0x00~0x64	0x00~0x64	0x00~0x64	0x01~0x10	
CONTRAST	0x08	0x12	0x81	0x00~0x64	0x00~0x64	0x00~0x64	0x01~0x10	
PHASE	0x08	0x12	0x82	0x00~0x64	0x00~0x64	0x00~0x64	0x01~0x10	
AUTO ADJUSTMENT	0x08	0x12	0x83	0x00~0x64	0x00~0x64	0x01	0x01~0x10	
COLOR TEMP	0x08	0x12	0x84	0x00~0x64	0x00~0x64	0x00~0x04	0x01~0x10	
RED GAIN	0x08	0x12	0x85	0x00~0x64	0x00~0x64	0x00~0x64	0x01~0x10	
GREEN GAIN	0x08	0x12	0x86	0x00~0x64	0x00~0x64	0x00~0x64	0x01~0x10	
BLUE GAIN	0x08	0x12	0x87	0x00~0x64	0x00~0x64	0x00~0x64	0x01~0x10	
IMAGE POS HOR	0x08	0x12	0x88	0x00~0x64	0x00~0x64	0x00~0x64	0x01~0x10	
IMAGE POS VER	0x08	0x12	0x89	0x00~0x64	0x00~0x64	0x00~0x64	0x01~0x10	
GAMMA	0x08	0x12	0x8a	0x00~0x64	0x00~0x64	0x00~0x02	0x01~0x10	
FACTORY RESET	0x08	0x12	0x8b	0x00~0x64	0x00~0x64	0x01	0x01~0x10	
BURN IN MODE	0x08	0x12	0x8c	0x00~0x64	0x00~0x64	0x00~0x01	0x01~0x10	
GAMMA CURVE	OPTIONS							
MAIN SOURCE	0x08	0x12	0x8e	0x00~0x64	0x00~0x64	0x00~0x05	0x01~0x10	
ADC CALIBRATION	0x08	0x12	0x8f	0x00~0x64	0x00~0x64	0x01	0x01~0x10	
IMAGE SCAN	0x08	0x12	0x90	0x00~0x64	0x00~0x64	0x00~0x01	0x01~0x10	
MULTI VISION	0x08	0x12	0x91	0x00~0x64	0x00~0x64	0x00~0x05	0x01~0x10	
HOR PERCENT	0x08	0x12	0x92	0x00~0x64	0x00~0x64	0x00~0x14	0x01~0x10	
VER PERCENT	0x08	0x12	0x93	0x00~0x64	0x00~0x64	0x00~0x14	0x01~0x10	
HOR POSITION	0x08	0x12	0x94	0x00~0x64	0x00~0x64	0x00~0xff	0x01~0x10	
VER POSITION	0x08	0x12	0x95	0x00~0x64	0x00~0x64	0x00~0xff	0x01~0x10	
SELECT COLUMN	0x08	0x12	0x96	0x00~0x64	0x00~0x64	0x00~0x10	0x01~0x10	
PIP MODE	0x08	0x12	0x97	0x00~0x64	0x00~0x64	0x00~0x04	0x01~0x10	
PIP SOURCE	0x08	0x12	0x98	0x00~0x64	0x00~0x64	0x00~0x05	0x01~0x10	
PIP POSITION	0x08	0x12	0x99	0x00~0x64	0x00~0x64	0x00~0x03	0x01~0x10	
PIP SWAP	0x08	0x12	0x9a	0x00~0x64	0x00~0x64	0x00~0x01	0x01~0x10	
PIP BLENDING	0x08	0x12	0x9b	0x00~0x64	0x00~0x64	0x00~0x0f	0x01~0x10	
POWER MANAGE	0x08	0x12	0x9c	0x00~0x64	0x00~0x64	0x00~0x01	0x01~0x10	
POWER ON TIME	0x08	0x12	0x9d	0x00~0x64	0x00~0x64	0x00~0x64	0x01~0x10	
BL ON TIME	0x08	0x12	0x9e	0x00~0x64	0x00~0x64	0x00~0x64	0x01~0x10	
COLOR BRIGHTNESS	0x08	0x12	0x9f	0x00~0x64	0x00~0x64	0x00~0x64	0x01~0x10	
VOLUME WINDOW	0x08	0x12	0xa1	0x00~0x64	0x00~0x64	0x00~0x01	0x01~0x10	

VOLUME	0x08	0x12	0xa2	0x00~0x64	0x00~0x64	0x00~0x20	0x01~0x10	
MUTE	0x08	0x12	0xa3	0x00~0x64	0x00~0x64	0x00~0x01	0x01~0x10	
WALL ID	0x08	0x12	0xa4	0x00~0x64	0x00~0x64	0x00~0x64	0x01~0x10	
SET ID	0x08	0x12	0xa5	0x00~0x64	0x00~0x64	0x00~0x64	0x01~0x10	
BAUD RATE	0x08	0x12	0xa6	0x00~0x64	0x00~0x64	0x00~0x02	0x01~0x10	
MADI MODE	0x08	0x12	0xa7	0x00~0x64	0x00~0x64	0x00~0x02	0x01~0x10	
RED OFFSET	0x08	0x12	0xa8	0x00~0x64	0x00~0x64	0x00~0x64	0x01~0x10	
GREEN OFFSET	0x08	0x12	0xa9	0x00~0x64	0x00~0x64	0x00~0x64	0x01~0x10	
BLUE OFFSET	0x08	0x12	0xaa	0x00~0x64	0x00~0x64	0x00~0x64	0x01~0x10	
AUTO SCAN	0x08	0x12	0xaa	0x00~0x64	0x00~0x64	0x00~0x64	0x01~0x10	

- IMAGE POSITION HOR :

[Data]: 0x00 ~ MaxVStart()*2
 If ([Data] > MaxHStart ())
 [Data] = MaxHStart();

- IMAGE POSITION VER:

[Data]: 0x00 ~ MaxHStart()*2
 If ([Data] > MaxHStart ())
 [Data] = MaxHStart();

- MULTI HOR POSITION :

[Data]:
 0x00 ~ 0x7f : decrement horizontal image position
 0x80 : default horizontal image position
 0x81 ~ 0xff : increment horizontal image position

- MULTI VER POSITION :

[Data]:
 0x00 ~ 0x7f : decrement horizontal image position
 0x80 : default vertical image position
 0x81 ~ 0xff : increment horizontal image position

[QUERY COMMAND Reference List]

QUERY [ACK/NAK]:

[ACK]: [0x07][Send Command Index][Data Value][Wall ID][SET ID]
 [Wall Column ID][Cr]
 [Cr] = [0x07]+[Send Command Index]+[Data Value]+[Wall ID]+[Set ID]
 [Wall Column ID]-1
 [Cr] = ~[Cr];
 [NAK]: [0x07][Send Command Index][0x0b][Wall ID][SET ID]
 [Wall Column ID][Cr]
 [Cr] = [0x07]+[Send Command Index]+[0x0b]+[Wall ID]+[Set ID]+
 [Wall Column ID]-1
 [Cr] = ~[Cr];

Name	Len	CMD	Index	Wall ID	Set ID	Data	Wall Column ID	Cr
HUE	0x08	0x12	0xbb	0x00~0x64	0x00~0x64	0xf0	0x01~0x10	
SATURATION	0x08	0x12	0xbc	0x00~0x64	0x00~0x64	0xf0	0x01~0x10	
SHARPNESS	0x08	0x12	0xbd	0x00~0x64	0x00~0x64	0xf0	0x01~0x10	
IMAGE SIZE	0x08	0x12	0xbe	0x00~0x64	0x00~0x64	0xf0	0x01~0x10	
FW RELEASE	0x08	0x12	0xbf	0x00~0x64	0x00~0x64	0xf0	0x01~0x10	
BACKLIGHT	0x08	0x12	0xc0	0x00~0x64	0x00~0x64	0xf0	0x01~0x10	
CONTRAST	0x08	0x12	0xc1	0x00~0x64	0x00~0x64	0xf0	0x01~0x10	
PHASE	0x08	0x12	0xc2	0x00~0x64	0x00~0x64	0xf0	0x01~0x10	
AUTO ADJUSTMENT	0x08	0x12	0xc3	0x00~0x64	0x00~0x64	0xf0	0x01~0x10	
COLOR TEMP	0x08	0x12	0xc4	0x00~0x64	0x00~0x64	0xf0	0x01~0x10	
RED GAIN	0x08	0x12	0xc5	0x00~0x64	0x00~0x64	0xf0	0x01~0x10	
GREEN GAIN	0x08	0x12	0xc6	0x00~0x64	0x00~0x64	0xf0	0x01~0x10	
BLUE GAIN	0x08	0x12	0xc7	0x00~0x64	0x00~0x64	0xf0	0x01~0x10	
IMAGE POS HOR	0x08	0x12	0xc8	0x00~0x64	0x00~0x64	0xf0	0x01~0x10	
IMAGE POS VER	0x08	0x12	0xc9	0x00~0x64	0x00~0x64	0xf0	0x01~0x10	
GAMMA	0x08	0x12	0xca	0x00~0x64	0x00~0x64	0xf0	0x01~0x10	
FACTORY RESET	0x08	0x12	0xcb	0x00~0x64	0x00~0x64	0xf0	0x01~0x10	
BURN IN MODE	0x08	0x12	0xcc	0x00~0x64	0x00~0x64	0xf0	0x01~0x10	
GAMMA CURVE	OPTIONS							
MAIN SOURCE	0x08	0x12	0xce	0x00~0x64	0x00~0x64	0xf0	0x01~0x10	
ADC CALIBRATION	0x08	0x12	0xcf	0x00~0x64	0x00~0x64	0xf0	0x01~0x10	
IMAGE SCAN	0x08	0x12	0xd0	0x00~0x64	0x00~0x64	0xf0	0x01~0x10	
MULTI VISION	0x08	0x12	0xd1	0x00~0x64	0x00~0x64	0xf0	0x01~0x10	
HOR PERCENT	0x08	0x12	0xd2	0x00~0x64	0x00~0x64	0xf0	0x01~0x10	
VER PERCENT	0x08	0x12	0xd3	0x00~0x64	0x00~0x64	0xf0	0x01~0x10	
HOR POSITION	0x08	0x12	0xd4	0x00~0x64	0x00~0x64	0xf0	0x01~0x10	
VER POSITION	0x08	0x12	0xd5	0x00~0x64	0x00~0x64	0xf0	0x01~0x10	
SELECT COLUMN	0x08	0x12	0xd6	0x00~0x64	0x00~0x64	0xf0	0x01~0x10	
PIP MODE	0x08	0x12	0xd7	0x00~0x64	0x00~0x64	0xf0	0x01~0x10	
PIP SOURCE	0x08	0x12	0xd8	0x00~0x64	0x00~0x64	0xf0	0x01~0x10	
PIP POSITION	0x08	0x12	0xd9	0x00~0x64	0x00~0x64	0xf0	0x01~0x10	
PIP SWAP	0x08	0x12	0xda	0x00~0x64	0x00~0x64	0xf0	0x01~0x10	
PIP BLENDING	0x08	0x12	0xdb	0x00~0x64	0x00~0x64	0xf0	0x01~0x10	
POWER MANAGE	0x08	0x12	0xdc	0x00~0x64	0x00~0x64	0xf0	0x01~0x10	
POWER ON TIME	0x08	0x12	0xdd	0x00~0x64	0x00~0x64	0xf0	0x01~0x10	
BL ON TIME	0x08	0x12	0xde	0x00~0x64	0x00~0x64	0xf0	0x01~0x10	
COLOR BRIGHTNESS	0x08	0x12	0xdf	0x00~0x64	0x00~0x64	0xf0	0x01~0x10	
VOLUME WINDOW	0x08	0x12	0xe1	0x00~0x64	0x00~0x64	0xf0	0x01~0x10	
VOLUME	0x08	0x12	0xe2	0x00~0x64	0x00~0x64	0xf0	0x01~0x10	
MUTE	0x08	0x12	0xe3	0x00~0x64	0x00~0x64	0xf0	0x01~0x10	
WALL ID	0x08	0x12	0xe4	0x00~0x64	0x00~0x64	0xf0	0x01~0x10	
SET ID	0x08	0x12	0xe5	0x00~0x64	0x00~0x64	0xf0	0x01~0x10	
BAUD RATE	0x08	0x12	0xe6	0x00~0x64	0x00~0x64	0xf0	0x01~0x10	
MADI MODE	0x08	0x12	0xe7	0x00~0x64	0x00~0x64	0xf0	0x01~0x10	
RED OFFSET	0x08	0x12	0xe8	0x00~0x64	0x00~0x64	0xf0	0x01~0x10	
GREEN OFFSET	0x08	0x12	0xe9	0x00~0x64	0x00~0x64	0xf0	0x01~0x10	
BLUE OFFSET	0x08	0x12	0xea	0x00~0x64	0x00~0x64	0xf0	0x01~0x10	
AUTO SCAN	0x08	0x12	0xeb	0x00~0x64	0x00~0x64	0xf0	0x01~0x10	

- [ETC. COMMAND] ::

```
[len][query index][wall id][set id][send index][data][ send index][data] ...
[send index][data][wall column id][Cr]
```

1. IMAGE TAB :

```
[ACK] : [0x10][0xf6][Wall ID][SET ID][0x9f][Data] [0x81][Data] [0x7c][Data] [0x7b][Data] [0x7d] [Data] [ Wall Column ID] [Cr]
[Cr] = [0x10]+[ 0xf6]+[Wall ID]+[Set ID]+[0x9f]+[Data] +[0x81]+[Data] +[0x7c]+[Data]+[0x7b]+[Data]+[0x7d]+[Data]+[ Wall Column ID]-1
[Cr] = ~[Cr];
```

2. DISPLAY TAB:

```
[ACK] : [0x10][0xf7][Wall ID][SET ID][0x90][Data] [0x7e][Data] [0x88][Data] [0x89][Data] [0x82][Data][ Wall Column ID][Cr]
[Cr] = [0x10]+[ 0xf7]+[Wall ID]+[Set ID]+[0x90]+[Data] +[0x7e]+[Data] +[0x88]+[Data]+[0x89]+[Data] +[0x82]+[Data]+[ Wall Column ID]-1
[Cr] = ~[Cr];
```

3.COLOR TEMP TAB

```
[ACK] : [0x0e][0xf8][Wall ID][SET ID][0x84][Data] [0x85][Data] [0x86][Data] [0x87][Data] [Wall Column ID] [Cr]
[Cr] = [0x0e]+[ 0xf8]+[Wall ID]+[Set ID]+[0x84]+[Data] +[0x85]+[Data] +[0x86]+[Data] +[0x87]+[Data]+ [ Wall Column ID]-1
[Cr] = ~[Cr];
```

4. PIP TAB

```
[ACK] : [0x0e][0xf9][Wall ID][SET ID][0x97][Data] [0x98][Data] [0x99][Data] [0x9b][Data] [Wall Column ID] [Cr]
[Cr] = [0x0e]+[ 0xf9]+[Wall ID]+[Set ID]+[0x97]+[Data] +[0x98]+[Data] +[0x99]+[Data] +[0x9b]+[Data]+ [ Wall Column ID]-1
[Cr] = ~[Cr];
```

5. MULTIVISION TAB

```
[ACK] : [0x12][0xfa][Wall ID][SET ID][0x91][Data] [0x92][Data][0x93][Data] [0x94][Data] [0x95][Data] [0x96][Data] [ Wall Column ID] [Cr]
[Cr] = [0x12]+[ 0xfa]+[Wall ID]+[Set ID]+[0x91]+[Data] +[0x92]+[Data] +[0x93]+ [Data] +[0x94]+[Data]+[0x95]+[Data] +[0x96]+[Data]+
[Wall Column ID]-1
[Cr] = ~[Cr];
```

6. SETUP TAB

```
[ACK] : [0x0e][0xfb][Wall ID][SET ID][0x8e][Data] [0x8a][Data] [0xa7][Data] [0x80][Data] [Wall Column ID] [Cr]
[Cr] = [0x0e]+[ 0xfb]+[Wall ID]+[Set ID]+[0x8e]+[Data] +[0x8a]+[Data] +[0xa7]+[Data] +[0x80]+[Data]+ [ Wall Column ID]-1
[Cr] = ~[Cr];
```

7. OPTION TAB

```
[ACK] : [0x0e][0xfc][Wall ID][SET ID][0xa1][Data] [0xa2][Data] [0xa3][Data] [0xa6][Data] [Wall Column ID] [Cr]
[Cr] = [0x0e]+[ 0xfc]+[Wall ID]+[Set ID]+[0xa1]+[Data] +[0xa2]+[Data] +[0xa3]+[Data] +[0xa6]+[Data]+ [ Wall Column ID]-1
[Cr] = ~[Cr];
```

Index

A

ACCESSORIES 48

APPENDIX 55
RS232 PROTOCOL

B

BOX CONTENT 24

BRIGHT PIXEL 45

C

CLAIM 49

COSTS 49

LEGAL 49

LIMITATIONS 50

PACKING 49

RAISING A CLAIM 49

RMA 49

SERVICE 48

TRANSPORT 49

CONNECTORS 26

CONTROL 29

COSTS 49

D

DARK PIXEL 45

DISPLAY

CONTROL 29

OPERATING 27

ROTATING 26

DOA 47

DOT DEFECTS 46

E

EXCHANGE 47

EXCLUSIONS 48

F

FAILURE 45

BRIGHT PIXEL 45

DARK PIXEL 45

FAILURE OF PIXEL 48

PIXEL 45

FEATURES 24

I

IMAGE STICKING 43

INPUTS 24

L

LANDSCAPE 26

LEGAL 49

LIMITATIONS 50

M

MALFUNCTION 42

MURA 43

O

OPERATING 27

OSD 30

COLOR TEMP 32

DISPLAY SETTINGS 31

IMAGE SETTINGS 30

MULTI VISION SETTINGS 37

OPTIONS 40

PIP SETTING 34

SETUP 38

OSD KEYPAD 27

P

PACKAGING 24

PACKING 49

PIP 34

PIXEL 45

POLLUTIONS 45

PORTRAIT 26

R

REMOTE CONTROL 27

BATTERIES 28

RETENTION

IMAGE STICKING 43

MURA 43

OPERATING TIME 44

SHADE FORMATION 43

STATIC IMAGES 44

TEMPERATURE 44

RMA 49

RS232 PROTOCOL 55

S

SERIAL NUMBER 48

SERVICE 48

SHADE FORMATION 43

T

TOLERANCE LIMITS 45

TRANSPORT 49

TROUBLESHOOTING 42

V

VALIDITY 47

W

WARRANTY 47

ACCESSORIES 48

DOA 47

DURATION 47

EXCHANGE 47

EXCLUSIONS 48

SERIAL NUMBER 48

SERVICE 47

VALIDITY 47

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